**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
*We Protect Hoosiers and Our Environment.*
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

**Eric J. Holcomb**
*Governor*

**Brian C. Rockensuess**
*Commissioner*

June 28, 2024

VIA EMAIL

Mr. Timothy Kiger
Head of Operations
Schott Home Tech North America, Inc.
1800 Chestnut Street
Vincennes, IN 47591

Re: Violation Letter
Schott Home Tech North America, Inc.
INR000151456
Vincennes, Knox County

Dear Mr. Kiger:

On 6/18/2024, a representative of the Indiana Department of Environmental Management, Office of Land Quality, conducted an inspection of Schott Home Tech North America, Inc., located at 1800 Chestnut Street, Vincennes, IN. This inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Type of Inspection: Compliance Evaluation Inspection

Results of Inspection: Violations were discovered and require a submittal.

Within thirty (30) days of receipt of this letter, a written detailed explanation, documenting compliance with each of the requirements listed in the inspection report, must be submitted to this office. Failure to respond adequately to this Violation Letter may result in a referral to the OLQ Enforcement Section. Please direct any response to this letter and any questions to Katharine Frisbie at (317) 503-1213 or kfrisbie@idem.in.gov. Thank you for your attention to this matter.

Sincerely,

for

Susan Lowry
Section Chief
Hazardous Waste Compliance Section
Compliance Branch

Enclosure
cc: Knox County Health Department

**HAZARDOUS WASTE INSPECTION REPORT**
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

| | |
|---|---|
| Inspector's Name: | Katharine Frisbie |
| Others Present | |
| Date: | Tuesday, June 18, 2024 |
| Time In: | 10:40 AM |
| Time Out: | 1:10 PM |
| Inspection Type | Compliance Evaluation Inspection |

## General Information

### Facility Information

| | |
|---|---|
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Facility Location** | 1800 Chestnut Street<br>Vincennes, IN 47591<br>Knox County |
| **Facility Mailing Information** | Same Address as Facility |
| **Facility Contact** | Same as Primary Facility Contact |
| **Primary Facility Contact During Inspection** | Timothy Kiger<br>Head of Operations<br>(812) 895-8209<br>tim.kiger@us.schott.com |

**Other Facility Contact(s) During Inspection**

| Salutation | First Name | Last Name | Title | Phone Number | Email |
|---|---|---|---|---|---|
| Mr. | Channing | Hardy | EHS Site Advisor | (812) 882-3800 | channing.hardy@guest.schott.com |
| Mr. | Thierry | Schleiss | Plant Manager - Gemtron | | tschleiss@sswtechnologies.com |
| Mr. | Dustin | Wendel | EHS - Gemtron | | dwendel@sswtechnologies.com |

### Facility ID

| | | | |
|---|---|---|---|
| **EPA ID Number** | INR000151456 | **NAICS Code** | 327215 |

### Facility Status

| | | | |
|---|---|---|---|
| **File Status** | Small Quantity Generator | **Other Activities** | |

### Outstanding Issues

| | |
|---|---|
| **Last Inspection Date** | 9/20/2017 |
| **Previous Violations** | ○ Yes ◉ No |
| **Details** | This inspection was conducted when Schott Home Tech, Inc. and Gemtron were still one company. The companies separated approximately two and a half years ago and Schott Home Tech, Inc. received its own separate EPA ID Number. |

## Inspection Narrative

A routine compliance inspection of Schott Home Tech, Inc. (Schott) was conducted on June 18, 2024. This inspection

consisted of an opening conference, facility tour, document review, and closing conference. IDEM staff was joined by Mr. Timothy Kiger (Schott), Mr. Channing Hardy (Schott), Mr. Thierry Schleiss (Gemtron), and Mr. Dustin Wendel (Gemtron) for the opening and closing conferences as well as the document review. Schott used to be the same company as Gemtron who still occupies the majority of the building. The businesses separated approximately two and a half years ago and are now owned and operated separately.

Schott's one hundred forty (140) employees operate 24/7 and the company occupies one hundred eighty thousand (180,000) square feet of a four hundred thousand (400,000) square foot building. Schott produces glass stovetops for large appliance companies. The process consists of receiving raw glass, blanking and grinding, ceramic heat treatment, and screen printing. Hazardous waste is generated from the screen-printing process and consists of waste paint related materials and solvents. Other waste streams include aerosols, solvent wipes, and universal waste lamps.

Mr. Hardy (Schott), and Mr. Wendel (Gemtron) assisted IDEM staff on the tour. Facility areas toured included Maintenance, Audit, Rework, Chemical Vault, Assembly, and the Print Room. Please see the Waste Management Areas table and Description of Violations (DOV) for the containers and associated violations in these areas. Notable findings included a drum of aerosol cans located in Maintenance. The drum was labeled as hazardous waste, but aerosols have been going off as non-hazardous waste from the facility. Schott must make a waste determination on their aerosols and submit their findings to IDEM. As well, Schott generates a small amount of toluene contaminated rags. Schott has yet to make a waste determination and disposal plan. They must do so and submit their findings to IDEM. Schott also generates isopropanol contaminated wipes, but these wipes are managed and disposed of as non-hazardous. IDEM staff took photos of several containers containing dry isopropanol contaminated wipes, but no violations were cited (see photo 1, 2, 5, 6, and 9).

Violations were discovered during the inspection and require submittal to IDEM within thirty (30) days. See Description of Violations (DOV) for more details. Please direct all responses to Katharine Frisbie at kfrisbie@idem.in.gov or (317) 503-1213.

| **Regulatory Status** | | | |
|---|---|---|---|
| **Observed Activity** | Small Quantity Generator | **Other Activities** | |
| **Documents Reviewed** | Manifests<br>Training Records<br>Land Disposal Notification<br>Solvent SDSs | | |
| **Comments** | | | |

**Waste Management**

Comments:

**Waste Stream(s) Information**

**Waste Streams**

(•) Yes ( ) No ( ) Not Inspected ( ) Not Applicable

List waste stream(s) information that varies from the most recent Annual Report (Example: additional waste streams, waste streams no longer generated, significant increase/decrease in generation rate, etc.)

| EPA Waste Codes | Description | Source | Generation Rate | Disposition |
|---|---|---|---|---|
| D001, D005, D006, D007, D008, D035, F003, F005 | Waste paint related materials | Screen printing paint and solvent waste | Five hundred to seven hundred pounds per month. | Safety-Kleen Systems, Inc. |
| F005 | Solvent contaminated wipes | Cleaning | Minimal – One hundred sixty (160) total ounces of solvent used last year. | Safety-Kleen Systems, Inc. |
| Undetermined | Waste aerosols | Facility maintenance and | Undetermined – undergoing waste determination. | Safety-Kleen Systems, Inc. |

| | | | | |
|---|---|---|---|---|
| | | parts cleaning | | |
| Non-hazardous | Isopropanol contaminated wipes | Cleaning | Greater than two hundred twenty (220) gallons per month. | Safety-Kleen Systems, Inc. |
| Universal Waste | Lamps | Facility maintenance | Incidental – majority of facility has been switched to LED. | Safety Clean |

| | |
|---|---|
| **Exempted/Excluded** | (•) Yes ( ) No ( ) Not Inspected ( ) Not Applicable |
| **Explanation** | **Explanation**<br>Scrap Metal - 329 IAC 3.1-6-4 |

**Waste Management Areas**

**Container Management Area(s)** (•) Yes ( ) No ( ) Not inspected ( ) Not applicable

| EPA Waste Codes | Location | Number | Size | Type of Container |
|---|---|---|---|---|
| D001, D005, D006, D007, D008, D035, F003, F005 | Chemical Vault | One (1) | 55 gallon | Steel |
| Universal Waste Lamps | Chemical Vault | Three (3) | Four (4) foot | Fiber |

**Satellite Area(s)** (•) Yes ( ) No ( ) Not inspected ( ) Not applicable

| EPA Waste Codes | Location | Comments |
|---|---|---|
| D001 - Aerosol cans | Maintenance | One (1) 55-gallon plastic drum awaiting waste determination (see DOV). |
| D001, D005, D006, D007, D008, D035, F003, F005 - Waste paint related material | Assembly Spray Booth | One (1) 55-gallon plastic drum (see DOV). |

**Tanks, Restricted Waste Sites, and Other Regulated Units**
( ) Yes (•) No ( ) Not inspected ( ) Not applicable

**Environmental Releases**

**Visible Releases/Contamination/Discharges** ( ) Yes (•) No Release Observed

## Compliance Assistance

**P2 Information**

The following P2 suggestions could possibly save money, reduce waste and/or minimize risk. You might consider having a P2 assessment, or a voluntary technical assistance consultation from IDEM staff. Please visit the agency's P2 web site at http://www.in.gov/idem/5298.htm for additional information.

| | | |
|---|---|---|
| **Contact by IDEM OPPTA Requested** | ( ) Yes (•) No | |
| **P2 Suggestions** | | |

**Guidance Materials**

| | |
|---|---|
| **Guidance Materials Provided to Facility** | Management of Contaminated Wipes |

## Checklist
**(Checked box indicates a compliance concern)**

| Standards | TSDF Permit Requirements |
|---|---|
| ☑ Hazardous Waste Determination<br>☐ Recordkeeping (SQG and LQG)<br>☐ Identifying Hazardous Waste Numbers (SQG and LQG)<br>☐ Generator Category Determination<br>☐ Notification (SQG, LQG, Transporter, TSDF)<br>☐ Release to the Environment, Disposal of Solid Waste<br>☐ Illegal Dumping<br>☐ Other Violation | ☐ TSDF Permit Requirements<br>☐ Other Violation |

| LQG Hazardous Waste Standards | SQG Hazardous Waste Standards |
|---|---|
| ☐ Accumulate for 90 Days or Less<br>☐ Container Condition<br>☐ Compatibility of Waste with Container<br>☐ Containers Closed<br>☐ Container Handling<br>☐ Central Accumulation Area Inspection<br>☐ Ignitable or Reactive Wastes - Distance from Property Line<br>☐ Ignitable or Reactive Wastes - Sources of Ignition/Reaction: "No Smoking" signs<br>☐ Conditions for Accumulation of Incompatible Wastes<br>☐ Container Labeled "Hazardous Waste"<br>☐ Container Marked with Indication of Hazards<br>☐ Containers Marked with Accumulation Start Date<br>☐ Tank Integrity Assessment<br>☐ Tank Containment and Detection of Releases<br>☐ Tank General Operating Requirements<br>☐ Tank Inspections<br>☐ Tank Subpart BB - Monthly Pump and Valve Monitoring<br>☐ Tank Subpart CC - Annual Inspection/Monitoring<br>☐ Tank Labeled "Hazardous Waste"<br>☐ Tank Marked with Indication of Hazards<br>☐ Tank Documentation for 90-Day Accumulation<br>☐ Maintenance and Operation of Facility<br>☐ Required Equipment | ☐ Accumulate for 180 Days or Less<br>☐ Accumulation Limit<br>☐ Container Condition<br>☐ Compatibility of Waste with Container<br>☐ Containers Closed<br>☐ Container Handling<br>☐ Central Accumulation Area Inspections<br>☐ Conditions for Accumulation of Incompatible Wastes<br>☐ Container Labeled "Hazardous Waste"<br>☑ Container Marked with Indication of Hazards<br>☐ Container Marked with Accumulation Start Date<br>☐ Tank Operating Conditions<br>☐ Tank Inspections<br>☐ Tank Labeled "Hazardous Waste"<br>☐ Tank Marked with Indication of Hazardous<br>☐ Tank Documentation for 180-Day Accumulation<br>☐ Land Disposal Restrictions<br>☐ Maintenance and Operation of Facility<br>☐ Required Equipment<br>☐ Testing and Maintenance of Equipment<br>☐ Access to Communications or Alarm System<br>☐ Aisle Space<br>☑ Arrangements with Local Authorities<br>☑ Arrangements with Local Authorities - Documentation<br>☐ Emergency Coordinator<br>☐ Emergency Information Posted |

- ☐ Testing and Maintenance of Equipment
- ☐ Aisle Space
- ☐ Arrangements with Local Authorities
- ☐ Arrangements with Local Authorities - Documentation
- ☐ Contingency Plan Developed
- ☐ Content of Contingency Plan
- ☐ Copies of Contingency Plan
- ☐ Contingency Plan Quick Reference Guide
- ☐ Emergency Coordinator
- ☐ Personnel Training Program
- ☐ Personnel Training - Complete Within Six Months
- ☐ Personnel Training Annual Review
- ☐ Personnel Training Documentation
- ☐ Personnel Training Record Retention
- ☐ Notification for Closure
- ☐ Land Disposal Restrictions
- ☐ Large Quantity Generator - Other Violations

- ☑ Employee Training
- ☐ Other Small Quantity Generator Standards

**VSQG Standards**

- ☐ Hazardous Waste Generation Limit
- ☐ Hazardous Waste Accumulation Limit
- ☐ Hazardous Waste Determination
- ☐ Proper Disposal
- ☐ Prohibited Disposal of Liquids in Landfills

**Satellite Accumulation – SQG and LQG**

- ☐ Quantity Limits, Point of Generation, Under Control of Operator
- ☐ Container Condition
- ☐ Compatibility with Container
- ☐ Incompatible Wastes
- ☐ Containers Closed
- ☐ Container Labeled "Hazardous Waste"
- ☑ Container Marked with Indication of Hazards
- ☐ Preparedness and Prevention
- ☐ Excess Generation

**Manifest and Recordkeeping - LQG and SQG**

- ☐ Manifest General Requirements
- ☐ Use of the Manifest

**Episodic Generation**

- ☐ Notification
- ☐ EPA ID Number
- ☐ Accumulate for 60 Days or Less
- ☐ Accumulation Prohibitions
- ☐ Container Labeling
- ☐ Tank Labeling and Recordkeeping
- ☐ Recordkeeping

**Hazardous Secondary Materials**

- ☐ Reclaimed Under Control of the Generator
- ☐ Contained
- ☐ Speculative Accumulation
- ☐ Notice
- ☐ Documentation of Legitimacy Determination
- ☐ Emergency Preparedness and Response
- ☐ Emergency Procedures (Accumulates 6,000 kg or Less)
- ☐ Emergency Procedures (Accumulates Greater than 6,000

| | |
|---|---|
| ☐ Preparedness and Prevention<br>☐ Other Violation | kg)<br>☐ Other Violation |

| Solvent-Contaminated Wipes – Disposal | Solvent-Contaminated Wipes - Laundered or Dry Cleaned |
|---|---|
| ☐ Container Management (Non-leaking containers)<br>☐ Closed Containers<br>☐ Labeling<br>☐ Accumulation Time<br>☐ No Free Liquids<br>☐ Free Liquids Management<br>☐ Documentation<br>☐ Final Disposition | ☐ Container Management (Non-leaking containers)<br>☐ Closed Containers<br>☐ Labeling<br>☐ Accumulation Time<br>☐ No Free Liquids<br>☐ Free Liquids Management<br>☐ Documentation<br>☐ Clean Water Act |

| Universal Waste – All Facilities | Used Oil – All Facilities |
|---|---|
| ☐ Universal Waste Labeling<br>☐ Containers - Closed, Good Condition, No Evidence of Leaks<br>☐ Universal Waste - Bulb Crushing Prohibition | ☐ Rebuttable Presumption Applies<br>☐ Containers and Tanks in Good Condition<br>☐ Containers/Tank Labeling<br>☐ Release Clean Up and Containment<br>☐ Burning Restrictions - Generated On-site or DIY, .5M BTU |

**Description of Violation(s)**

## STANDARDS

**HAZARDOUS WASTE DETERMINATION**

**CITATION:**
40 CFR 262.11: A person who generates a solid waste must determine if that waste is a hazardous waste.

**DETAILS:**
One (1) 55-gallon satellite drum containing waste aerosols located in Maintenance was observed with a hazardous waste label and indication of hazard. However, it was noticed during the document review that aerosols are going off as non-hazardous. Schott staff must determine if their aerosols meet the empty requirements to be managed as solid waste. If the aerosols are determined to be hazardous waste then they will need to be shipped as hazardous waste and counted toward Schott's monthly generator status or they can be managed as Universal Waste.

Schott uses a solvent that contains toluene to clean parts in the maintenance area. The wipes that are used with the solvent are generated at a very low quantity, but Schott has yet to make a waste determination and disposal plan. IDEM staff informed Schott staff of their option to manage the wipes under the solvent contaminated wipes exclusion, and guidance documentation is attached.

**REQUIRED ACTION:**
Determine whether the aforementioned waste is hazardous as defined by 40 CFR 261.

## SATELLITE ACCUMULATION - SQG AND LQG

**CONTAINER MARKED WITH INDICATION OF HAZARDS**

**CITATION:**
40 CFR 262.15(a)(5)(ii): A generator must mark or label its (satellite) containers with an indication of the hazards of the

contents (examples include, but are not limited to, the applicable hazardous waste characteristic(s) (i.e., ignitable, corrosive, reactive, toxic); hazard communication consistent with the Department of Transportation requirements at 49 CFR part 172 subpart E (labeling) or subpart F (placarding); a hazard statement or pictogram consistent with the Occupational Safety and Health Administration Hazard Communication Standard at 29 CFR 1910.1200; or a chemical hazard label consistent with the National Fire Protection Association code 704).

**DETAILS:**
One (1) 55-gallon steel drum containing waste paint related materials and solvents was observed in the Assembly Spray Booth (see photo 7). Violations were cited for the drum missing an indication of flammability and an indication of toxicity. The indication of flammability was corrected at the time of inspection, but Schott must provide proof that the drum has been properly labeled with an indication of toxicity (see photo 8).

**REQUIRED ACTION:**
Mark or label all satellite hazardous waste containers with the indication of the hazards of the contents.

## SQG HAZARDOUS WASTE STANDARDS

**CONTAINER MARKED WITH INDICATION OF HAZARDS**

**CITATION:**
40 CFR 262.16(b)(6)(i)(B): A small quantity generator must mark or label its containers with an indication of the hazards of the contents (examples include, but are not limited to, the applicable hazardous waste characteristic(s) (i.e., ignitable, corrosive, reactive, toxic); hazard communication consistent with the Department of Transportation requirements at 49 CFR part 172 subpart E (labeling) or subpart F (placarding); a hazard statement or pictogram consistent with the Occupational Safety and Health Administration Hazard Communication Standard at 29 CFR 1910.1200; or a chemical hazard label consistent with the National Fire Protection Association code 704).

**DETAILS:**
One (1) 55-gallon steel drum containing waste paint related materials and solvents was observed in the Chemical Vault (see photo 3). Violations were cited for the drum missing an indication of flammability and an indication of toxicity. The indication of flammability was corrected at the time of inspection, but Schott must provide proof that the drum has been properly labeled with an indication of toxicity (see photo 4).

**REQUIRED ACTION:**
Mark or label the hazardous waste containers with an indication of the hazards of the contents. In the future, ensure that all hazardous waste containers or tanks are marked or labeled with an indication of the hazards of the contents.

**ARRANGEMENTS WITH LOCAL AUTHORITIES**

**CITATION:**
40 CFR 262.16(b)(8)(vi)(A): The small quantity generator must attempt to make arrangements with the local police department, fire department, other emergency response teams, emergency response contractors, equipment suppliers and local hospitals, taking into account the types and quantities of hazardous wastes handled at the facility. Arrangements may be made with the Local Emergency Planning Committee, if it is determined to be the appropriate organization with which to make arrangements.

**DETAILS:**
At the time of inspection, Schott had not made arrangements with local authorities regarding hazardous waste on site. Schott must attempt to make arrangements with local authorities and send evidence of those attempts to IDEM.

**REQUIRED ACTION:**
Make the required attempts with the local police department, fire department, other emergency response teams, emergency response contractors, equipment suppliers and local hospitals. Document the attempts.

**ARRANGEMENTS WITH LOCAL AUTHORITIES - DOCUMENTATION**

**CITATION:**
40 CFR 262.16(b)(8)(vi)(B): A small quantity generator shall maintain records documenting the arrangements with the local fire department as well as any other organization necessary to respond to an emergency. This documentation must include documentation in the operating record that either confirms such arrangements actively exist or, in cases where no arrangements exist, confirms that attempts to make such arrangements were made.

40 CFR 262.16(b)(8)(vi)(C): A facility possessing 24-hour response capabilities may seek a waiver from the authority

having jurisdiction (AHJ) over the fire code within the facility's state or locality as far as needing to make arrangements with the local fire department as well as any other organization necessary to respond to an emergency, provided that the waiver is documented in the operating record.

**DETAILS:**
Schott staff did not have documentation of attempts to make arrangements with local authorities regarding hazardous waste. Schott must attempt to make these arrangements and maintain a record of the attempts.

**REQUIRED ACTION:**
Ensure the required documentation for arrangements with local authorities is maintained in the facility's operating record.

**EMPLOYEE TRAINING**

**CITATION:**
40 CFR 262.16(b)(9)(iii): The small quantity generator must ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

**DETAILS:**
During the document review, IDEM staff inquired about a staff member's training after they were observed signing hazardous waste manifests. Schott staff informed IDEM staff that this staff member had not received adequate training to sign manifests. Schott is required to train this employee and submit evidence of completion to IDEM.

**REQUIRED ACTION:**
Provide hazardous waste management personnel training to all employees involved in the management of hazardous waste. Ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Do

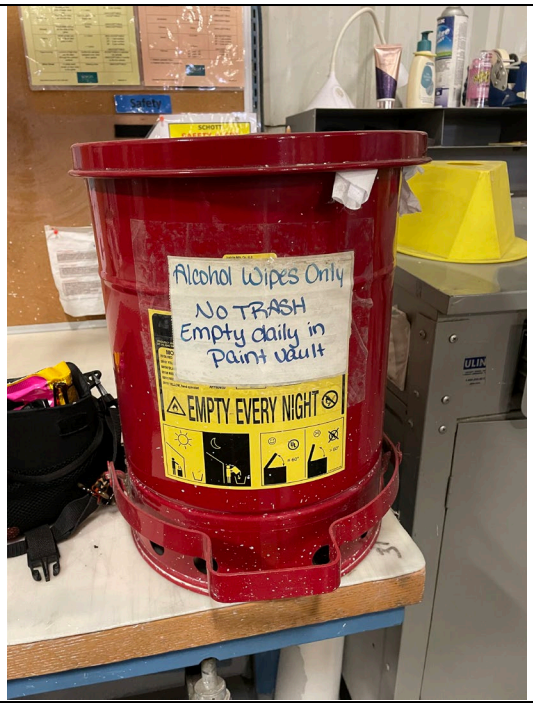
| Inspection Documentation | | |
|---|---|---|
| **Photographs** | ◉ Yes<br>○ No | |
| **Map** | ○ Maps | |
| **GPS Location Collected** | ○ Yes<br>◉ No | |
| **Analytical Screening Conducted** | ○ Yes<br>◉ No | |
| **Lab Sample** | ○ Yes<br>◉ No | |

| Inspection Results/Actions |
|---|
| Comments: |
| **Inspection Results** |
| Violations were discovered and require a submittal. |
| **Multi-Media Concerns** |
| No concerns noted |

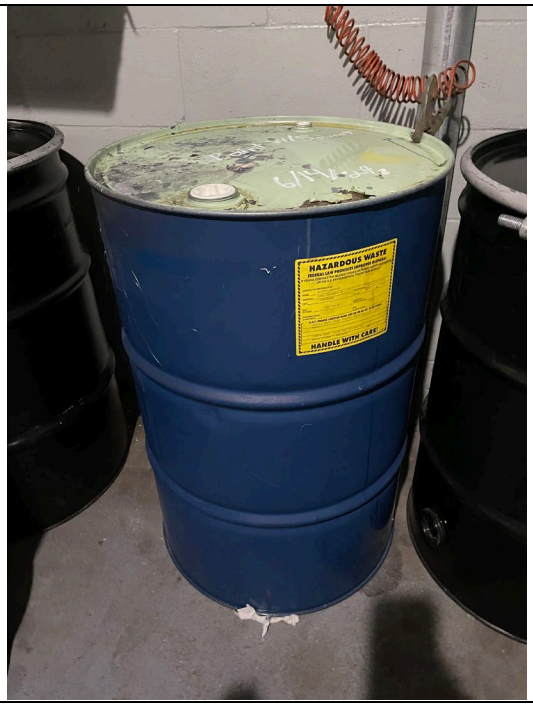
**Finalize Inspection**

| | | |
|---|---|---|
| **Written Summary of Inspection** | Notice of Inspection and Verbal Summary Provided | |
| **Inspector Information** | Printed/Typed Name | Katharine Frisbie |
| | Phone Number: | (317) 503-1213 |
| | Email Address: | kfrisbie@idem.in.gov |
| | Signature: | Obtained on the Inspection Verification/Findings Form |
| **Facility Representative Signature** | Printed/Typed Name: | Timothy Kiger |
| | Signature: | Obtained on the Inspection Verification/Findings Form |

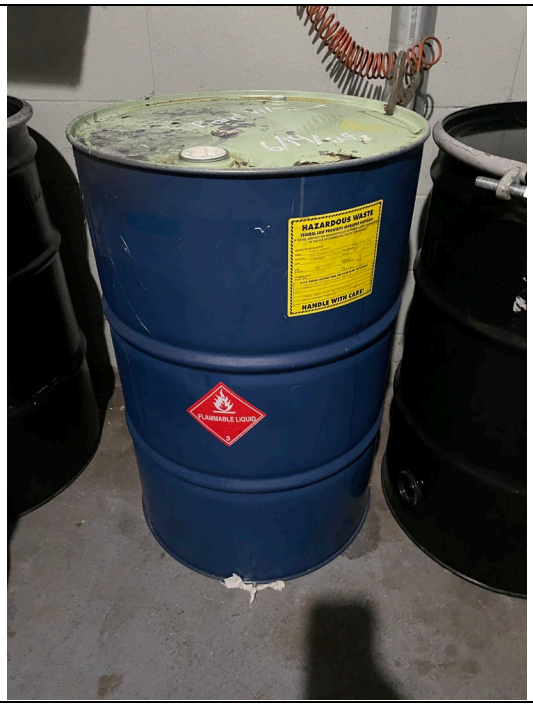
# Photo Table: Schott Home Tech North America, Inc.

| | | |
|---|---|---|
|  | **Number** | 1 |
| | **Description** | One (1) steel step pail containing dry alcohol wipes located in Rework. |
| | **Photographer** | Katharine Frisbie |
| | **Facility Name** | Schott Home Tech North America, Inc. |
| | **Photo Date** | 06/18/2024 |
| | **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |

| | | |
|---|---|---|
|  | **Number** | 2 |
| | **Description** | Two (2) empty 55-gallon steel drums in the solvent wipes staging area of the Chemical Vault. |
| | **Photographer** | Katharine Frisbie |
| | **Facility Name** | Schott Home Tech North America, Inc. |
| | **Photo Date** | 06/18/2024 |
| | **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |




| | |
|---|---|
| **Number** | 3 |
| **Description** | One (1) 55-gallon steel drum containing waste paint related materials located in the Chemical Vault. Violation cited for missing indications of hazards. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |




| | |
|---|---|
| **Number** | 4 |
| **Description** | One (1) 55-gallon steel drum containing waste paint related materials located in the Chemical Vault. Photo shows corrected indication of flammability, but the indication of toxicity still needs to be corrected. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |

| | |
|---|---|
| **Number** | 5 |
| **Description** | Four (4) 55-gallon steel drums containing isopropanol contaminated wipes located in the Chemical Vault. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |


| | |
|---|---|
| **Number** | 6 |
| **Description** | One (1) 55-gallon steel container containing isopropanol contaminated rags located in Assembly. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |

| | |
|---|---|
| **Number** | 7 |
| **Description** | One (1) satellite 55-gallon steel drum containing waste paint related materials located in Assembly Spray Booth. Violations were cited for missing indications of hazards. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |


| | |
|---|---|
| **Number** | 8 |
| **Description** | One (1) satellite 55-gallon steel drum containing waste paint related materials located in Assembly Spray Booth. Photo shows corrected indication of flammability and a new hazardous waste label, but the indication of toxicity still needs to be corrected. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |

| | |
|---|---|
| **Number** | 9 |
| **Description** | One (1) 10-gallon step pail containing waste isopropanol wipes located in the Print Room. |
| **Photographer** | Katharine Frisbie |
| **Facility Name** | Schott Home Tech North America, Inc. |
| **Photo Date** | 06/18/2024 |
| **Others** | Channing Hardy- Schott Home Tech<br>Dustin Wendel- Schott Home Tech |

**INSPECTION VERIFICATION/FINDINGS**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
100 N. Senate Avenue
Indianapolis, Indiana 46204-2251
Telephone: (800) 451-6027 or (317) 232-8603
Web Page: http://www.in.gov/idem/

On 6/18/2024 an inspection of Schott Home Tech was conducted by the undersigned representative of the Indiana Department of Environmental Management (IDEM), Office of Land Quality.

**Type of Inspection (may include more than one):**

- [x] Routine Compliance Evaluation
- [ ] Follow Up Inspection
- [ ] Compliance Assistance Inspection
- [ ] Complaint
- [ ] Multi-Media Screening Evaluation
- [ ] Other: _____

**Inspection Findings:**
These findings are considered preliminary and identify specific compliance issues discovered during the above-noted inspection that the designated agent of IDEM believes may be a violation of a statute(s), rule(s) or permit(s) issued by IDEM.

- [ ] No violations were discovered with respect to the particular items observed during the inspection.
- [ ] Violations were discovered but corrected during the inspection.
- [ ] Violations were discovered and require a submittal from you and/or follow-up inspection by IDEM.
- [ ] Violations were discovered and may subject you to an appropriate enforcement response.
- [x] Additional information/review is required to evaluate overall compliance.
- [ ] Other/Comments (attachment may be included): _____

**********

**Confidential Information**
In accordance with 329 IAC 6.1 (http://www.in.gov/legislative/iac/T03290/A00061.PDF) a person submitting information to the department for which confidential treatment is requested shall make a written claim of confidentiality at the time of submittal of the information. A person may request confidential treatment of information at the time the information is acquired through the actions of the department, such as inspections. The written claim for confidential treatment may be broad, but must be sufficiently clear to allow for accurate identification of the information claimed to be confidential. In accordance with 329 IAC 6.1-4-1(d), supporting information must be submitted to the commissioner within five (5) working days from the time the information claimed as confidential is acquired by the department. A person submitting a claim of confidentiality shall designate and segregate the information and the supporting information to which the claim applies in a manner that is sufficiently clear to allow the department to identify all confidential claim materials. Confidential information may include (but is not limited to) written or printed material, maps, charts, photographs, or samples (see definition of information at 329 IAC 6.1-2-8). The undersigned Owner/Representative has alleged information acquired during this inspection ☐ **does** ☒ **does not** (check one) contain confidential information. A check in the "does" box is not a written claim for confidential treatment of information acquired during this inspection.

**Notice of Oral Report**
In accordance with IC 13-14-5 an oral report of the inspection was provided to the undersigned Owner/Agent at the conclusion of the inspection. The oral report includes any specific matters discovered during the inspection that the IDEM representative believes may be a violation of a law or of a permit issued by the department. The report does not include matters not evident to the IDEM representative or any fact that indicates an intentional, a knowing, or a reckless violation.

## IDEM Representative:

| Katie Frisbie | Katie Frisbie | 6/18/2024 |
|---|---|---|
| Printed Name | Signature | Date |
| (317) 503-1213 | kfrisbie@idem.in.gov | 10:40 11:10p |
| Phone Number | Email | Time In/ Out |

**Owner/Representative:**

| Timothy Kigler | Tim Kigler | Head of Operations |
|---|---|---|
| Printed Name | Signature | Title |
| 812-895-8209 | Tim.Kigler@us.schott.com | 6/18/2024 |
| Phone Number | Email | Date |

IDEM prefers to email your report. Please check this box to indicate you prefer to receive a copy of the inspection report via U.S. mail: ☐

# DAC Industries, Inc.
# Safety Data Sheet

## 1. Identification

**Product name:** All Purpose Foam

**Product code:** DAC-104

**Recommended use:** Cleaning product

**Restrictions on use:** None known

**Supplier:** DAC Industries, Inc.
1636 Gervais Avenue - Suite 9
Maplewood, MN 55109, USA
T +1 (651) 748-1750

**Emergency number:** (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US),
1-703-527-3887 (Outside the US),
Chemtrec - Mexico 01-800-681-9531

**Issue date:** 03/01/2023

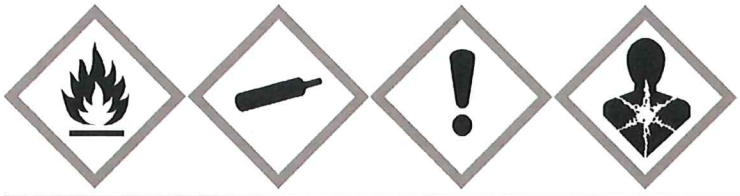
## 2. Hazard(s) identification

### Classification:

| Physical hazards | Health hazards |
|---|---|
| Flammable aerosol Category 1<br>Gases under pressure Compressed gas | Skin corrosion/irritation Category 2<br>Eye irritation Category 2<br>Skin sensitization, Category 1<br>Carcinogenicity Category 2<br>Reproductive toxicity Category 2<br>Specific target organ toxicity (repeated exposure) Category 2 |

### GHS US labeling:

Danger!



| Hazard statements (GHS US) | Precautionary statements (GHS US) |
|---|---|
| H222 - Extremely flammable aerosol<br>H280 - Contains gas under pressure; may explode if heated<br>H315 - Causes skin irritation<br>H317 - May cause an allergic skin reaction<br>H319 - Causes serious eye irritation<br>H351 - Suspected of causing cancer<br>H361 - Suspected of damaging fertility or the unborn child<br>H373 - May cause damage to organs (respiratory tract) | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 - Do not spray on an open flame or other ignition source.<br>P251 - Pressurized container: Do not pierce or burn, even |

| | |
|---|---|
| through prolonged or repeated exposure (Inhalation) | after use.<br>P260 - Do not breathe mist, spray.<br>P264 - Wash hands thoroughly after handling.<br>P272 - Contaminated work clothing must not be allowed out of the workplace.<br>P280 - Wear protective gloves, protective clothing, eye protection.<br>P302+P352 - If on skin: Wash with plenty of soap and water.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P308+P313 - If exposed or concerned: Get medical advice/attention.<br>P314 - Get medical advice/attention if you feel unwell.<br>P405 - Store locked up.<br>P410+P403 - Protect from sunlight. Store in a well-ventilated place.<br>P412 - Do not expose to temperatures exceeding 50 °C/ 122 °F.<br>P501 - Dispose of contents/container to an approved waste disposal plant. |

## 3: Composition/Information on ingredients

| Component | CAS-No. | Amount (%) |
|---|---|---|
| 2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | 111-76-2 | 1-5 |
| Isobutane | 75-28-5 | 1-5 |
| D-Limonene | 5989-27-5 | 1-5 |
| Tetrasodium EDTA | 64-02-8 | 1-5 |
| Triethanolamine | 102-71-6 | < 2 |
| Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 | < 2 |
| 2,2'-iminodiethanol, diethanolamine | 111-42-2 | < 2 |

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

## 4. First-aid measures

**Inhalation**: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

**Skin**: Wash skin with plenty of water and soap. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

**Eyes**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**: Ingestion is not considered a potential route of exposure. Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

**Symptoms/effects**: Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. May cause damage to organs respiratory system (inhalation). Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

**Immediate medical attention and special treatment, if necessary**: None under normal conditions.

## 5. Fire-fighting measures

**Suitable extinguishing media**: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. Cool down the containers exposed to heat with a water spray.

**Unsuitable extinguishing media**: None.

**Fire hazard**: Extremely flammable aerosol. Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Pressurized container: may burst if heated.

**Special protective equipment and precautions for fire-fighters**: Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition. Do not breathe aerosol. Avoid contact with eyes, skin and clothing.

**Methods and material for containment and cleaning up**: Collect spillage. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

## 7. Handling and storage

**Precautions for safe handling**: Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Do not breathe vapors. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Handle in accordance with good industrial hygiene and safety procedures.

**Storage conditions**: Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. U.F.C. (NFPA 30B) Level III Aerosol.

## 8. Exposure controls/personal protection

| **Exposure guidelines:** | |
|---|---|
| Tetrasodium EDTA | None established. |
| Isobutane | 1000 ppm (EX - Explosion hazard) STEL ACGIH TLV; |
| D-Limonene | None established. |
| 2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | 240 mg/m³ TWA OSHA PEL; 50 ppm TWA OSHA PEL; 20 ppm TWA ACGIH TLV; |
| Triethanolamine | 5 mg/m³ TWA ACGIH TLV; |

| | |
|---|---|
| Amides, coco, N,N-bis(hydroxyethyl) | None established. |
| 2,2'-iminodiethanol, diethanolamine | 1 mg/m³ (IFV - Inhalable fraction and vapor) TWA ACGIH TLV; |

**Appropriate engineering controls**: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Environmental exposure controls**: Avoid release to the environment.

**Personal protective equipment:**

**Hand protection**: Wear suitable gloves

**Eye protection**: Use suitable eye protection

**Skin and body protection**: Wear suitable protective clothing

**Respiratory protection**: No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and chemical properties

**Appearance:** Aerosol spray can.

**Physical state** : Liquid

**Color** : Brown

**Odor** : Mild odor

**Odor threshold** : No data available

**pH** : No data available

**Melting point** : No data available

**Freezing point** : No data available

**Boiling point** : No data available

**Flash point** : < -104 °C (-155.2 °F)

**Relative evaporation rate (butyl acetate=1)** : No data available

**Flammability** : Extremely flammable aerosol.

**Vapor pressure** : No data available

**Relative vapor density at 20°C** : No data available

**Relative density** : < 1

**Solubility** : Not miscible.

No additional information available

**Partition coefficient n-octanol/water (Log Pow)** : No data available

**Auto-ignition temperature** : No data available

**Decomposition temperature** : No data available

**Viscosity, kinematic** : No data available

**Viscosity, dynamic** : No data available

**Explosion limits** : ≥ vol %
Lower explosion limit: 1.8 vol % Propellant gas
Upper explosion limit: 15 vol % Propellant gas

**Explosive properties** : No data available

**Oxidizing properties** : No data available

## 10. Stability and reactivity

**Reactivity**: Extremely flammable aerosol.

**Chemical stability**: Stable under normal conditions.

**Possibility of hazardous reactions**: No dangerous reactions known under normal conditions of use.

**Conditions to avoid**: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

**Incompatible materials** : Strong oxidizing agents. Acids. Strong bases. Strong reducing agents.

**Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

**Inhalation**: May cause respiratory irritation.

**Skin**: Causes skin irritation. May cause an allergic skin reaction.

**Eyes**: Causes serious eye irritation.

**Ingestion**: Ingestion is not considered a potential route of exposure.

**Chronic symptoms**: May have damaging effect on the respiratory system. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

| | |
|---|---|
| **Carcinogenicity**: | Suspected of causing cancer. |
| Amides, coco, N,N-bis(hydroxyethyl): | IARC 2B - Possibly carcinogenic to humans; |
| 2,2'-iminodiethanol, diethanolamine: | IARC 2B - Possibly carcinogenic to humans; |
| **Germ cell mutagenicity**: | Not classified |
| **Reproductive toxicity**: | Suspected of damaging fertility or the unborn child. |

| | |
|---|---|
| **Acute toxicity (oral)** | : Not classified |
| **Acute toxicity (dermal)** | : Not classified |
| **Acute toxicity (inhalation)** | : Not classified |

**Numerical measures of toxicity**:

**The following are the toxicity values for the components:**

| | |
|---|---|
| Tetrasodium EDTA | 1780 mg/kg LD50 oral rat |
| Isobutane | > 20000 ppm/4h LC50 Inhalation - Rat [ppm] |
| D-Limonene | > 2000 mg/kg bodyweight LD50 oral rat;<br>> 5000 mg/kg LD50 dermal rabbit |
| 2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | 1414 mg/kg LD50 oral;<br>1746 mg/kg LD50 oral rat;<br>> 2000 mg/kg LD50 dermal rat |
| Triethanolamine | 6400 mg/kg LD50 oral rat;<br>> 2000 mg/kg LD50 dermal rabbit |
| Amides, coco, N,N-bis(hydroxyethyl) | 12200 mg/kg LD50 oral rat |
| 2,2'-iminodiethanol, diethanolamine | 1600 mg/kg LD50 oral rat |
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/irritation** | Causes serious eye irritation. |
| **Respiratory or skin sensitization** | May cause an allergic skin reaction. |

| | |
|---|---|
| **STOT-single exposure** | Not classified |
| **STOT-repeated exposure** | May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation). |
| **Aspiration hazard** | Not classified |

## 12. Ecological information

**Ecology - general**: Harmful to aquatic life with long lasting effects.

**Ecotoxicity**:

| | |
|---|---|
| Tetrasodium EDTA | 140 mg/l Daphnia magna (Water flea) EC50 – Crustacea<br>> 60 mg/l Pseudokirchneriella subcapitata EC50 72h - Algae<br>25 mg/l Daphnia magna Duration: '21 d' NOEC (chronic);<br>≥ 25.7 mg/l Danio rerio (previous name: Brachydanio rerio) Duration: '35 d' NOEC chronic fish |
| D-Limonene | 720 µg/l Pimephales promelas (Fathead minnow) LC50 - Fish<br>0.36 mg/l Daphnia magna (Water flea) EC50 - Crustacea<br>≈ 8 mg/l Desmodesmus subspicatus EC50 72h - Algae<br>0.115 mg/l Daphnia magna (Water flea) NOEC (chronic)<br>0.08 mg/l NOEC chronic fish |
| 2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | 1474 mg/l Oncorhynchus mykiss (Rainbow trout) LC50 - Fish<br>≈ 1800 mg/l Daphnia magna (Water flea) EC50 - Crustacea<br>911 mg/l Pseudokirchneriella subcapitata EC50 72h – Algae<br>100 mg/l Daphnia magna (Water flea) NOEC (chronic)<br>> 100 mg/l Danio rerio (Zebrafish) NOEC chronic fish |
| Triethanolamine | 11800 mg/l Pimephales promelas (Fathead minnow) LC50 - Fish<br>609.88 mg/l Ceriodaphnia dubia EC50 – Crustacea<br>512 mg/l Desmodesmus subspicatus EC50 72h – Algae<br>> 1 mg/l NOEC chronic fish |
| Amides, coco, N,N-bis(hydroxyethyl) | 3.6 mg/l Danio rerio (Zebrafish) LC50 - Fish<br>2.15 mg/l Daphnia magna (Water flea) EC50 – Crustacea |
| 2,2'-iminodiethanol, diethanolamine | 460 mg/l Oncorhynchus mykiss (Rainbow trout) LC50 – Fish<br>30.1 mg/l Ceriodaphnia dubia EC50 – Crustacea<br>89.9 mg/l Ceriodaphnia dubia EC50 - Crustacea<br>9.5 mg/l Pseudokirchneriella subcapitata EC50 72h - Algae<br>0.78 mg/l Daphnia magna (Water flea) NOEC (chronic)<br>> 1 mg/l freshwater fish NOEC chronic fish |

| | |
|---|---|
| **Persistence and degradability**: | No data available |
| Tetrasodium EDTA: | Not readily biodegradable. |
| **Bioaccumulative potential**: | No data available |
| **Mobility in soil**: | No data available |

**Other adverse effects**:

No data available

## 13. Disposal considerations

**Regional legislation (waste)**: Dispose of in accordance with applicable federal, state, and local regulations.

**Additional information**: Empty containers retain product residue and can be hazardous.

## 14. Transport information

**Department of Transportation (DOT)**

**Proper Shipping Name (DOT)** : Aerosols
**UN-No.(DOT)** : UN1950
**Class (DOT)** : 2.1
**Packing group (DOT)** : Not applicable
**Hazard labels (DOT)** : Flammable gas

**Transport by sea**

**Proper Shipping Name (IMDG)** : AEROSOLS
**UN-No. (IMDG)** : 1950
**Class (IMDG)** : 2
**Packing group (IMDG)** : Not applicable

**Air transport**

**Proper Shipping Name (IATA)** : Aerosols, flammable
**UN-No. (IATA)** : 1950
**Class (IATA)** : 2
**Packing group (IATA)** : Not applicable

## 15. Regulatory information

**SARA Section 313 - Emission Reporting:** Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|---|---|---|
| 2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | 111-76-2 | 1-5% |

**CERCLA Section 103:**

| | | |
|---|---|---|
| 2,2'-iminodiethanol, diethanolamine | 111-42-2 | 100 lb |

**SARA 302:**

Not applicable

**SARA Section 311/312 Hazard Classes:** Refer to Section 2 for OSHA Hazard Classification.

**California Proposition 65:**

**WARNING:** This product can expose you to Amides, coco, N,N-bis(hydroxyethyl) and 2,2'-iminodiethanol, diethanolamine, which are known to the State of California to cause cancer, and Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**TSCA:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

## 16. Other information

Issue date : 03/01/2023

| Indication of changes: |
| --- |
| new version. |

**NOTICE**

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **S-11144 Solvent Blend**

**Other means of identification**

**Product code** 0304156

**Manufacturer information**

Superior Industrial Solutions, Inc.
P.O. Box 0186
Indianapolis, IN 46206-0186 US
General Information: (317) 781-4400
Chemical Emergency: (317) 781-4470
Website: www.relyonsuperior.com
SDS Request: SDSInfo@relyonsuperior.com

**Recommended use** Solvent

**Recommended restrictions** None known.

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable liquids | Category 4 |
| **Health hazards** | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Aspiration hazard | Category 1 |

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Signal word** Danger

**Hazard statement**

| | |
|---|---|
| H227 | Combustible liquid. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

**Precautionary statement**

**Prevention**

| | |
|---|---|
| P262 | Do not get in eyes, on skin, or on clothing. |
| P261 | Avoid breathing vapors or mist. |
| P210 | Keep away from flames and hot surfaces. - No smoking. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/eye protection/face protection. |

**Response**

| | |
|---|---|
| P301 + P310 | If swallowed: Immediately call a poison center/doctor. |
| P331 | Do NOT induce vomiting. |
| P302 + P350 | If on skin: Wash with plenty of water. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P304 + P340 | If inhaled: Remove person to fresh air and keep comfortable for breathing |
| P312 | Call a poison center/doctor if you feel unwell. |
| P305 + P351 + P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

| | |
|---|---|
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P370 + P378 | In case of fire: Use appropriate media to extinguish. |

**Storage**

| | |
|---|---|
| P235 | Keep cool. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |

**Disposal**

| | |
|---|---|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Petroleum Distillates Hydrotreated Light | | 64742-47-8 | 90-100 |
| 1-Butoxy-2-Propanol | | 5131-66-8 | 1-10 |

## 4. First-aid measures

**Inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

**Skin contact**
Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact**
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion**
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms/effects, acute and delayed**
Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

**Suitable extinguishing media**
Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**
Combustible liquid. Will burn if involved in a fire.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

| | |
|---|---|
| **Methods and materials for containment and cleaning up** | Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Avoid discharge into drains, water courses or onto the ground. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. |
| **Conditions for safe storage, including any incompatibilities** | Keep away from heat and sources of ignition. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit At this time, the other constituents have no known exposure limits.

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| Petroleum Distillates Hydrotreated Light (CAS 64742-47-8) | TWA | 100 mg/m3 |

| | |
|---|---|
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate engineering controls** | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Safety glasses with side shields or chemical goggles and full facepiece is recommended, if splashing is expected. An eyewash station and safety shower should be made available. |
| **Skin protection** | |
| **Hand protection** | Wear appropriate chemical resistant gloves. |
| **Other** | Wear appropriate chemical resistant clothing. |
| **Respiratory protection** | Chemical respirator with organic vapor cartridge and full facepiece must be worn, if ventilation or other mechanical means cannot maintain airborne concentrations below recommended exposure limits. |
| **Thermal hazards** | Wear appropriate thermal protective clothing, when necessary. |
| **General hygiene considerations** | When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | Clear. |
| **Physical state** | Liquid. |
| **Color** | Colorless. |
| **Odor** | Typical Solvent. |

| | |
|---|---|
| **pH** | Not available. |
| **Melting point/freezing point** | Not determined |
| **Initial boiling point and boiling range** | 329 °F (165 °C) estimated |
| **Flash point** | 150.8 °F (66.0 °C) Lowest Flashing component |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | 0.8 % estimated |
| **Flammability limit - upper (%)** | 9 % estimated |
| **Vapor pressure** | 0.48 hPa @ 20 C (1 hPa = 0.75006 mmHg) |
| **Vapor density** | > 1 (Air = 1) |
| **Solubility(ies)** | |
| **Solubility (water)** | Slightly Miscible |
| **Auto-ignition temperature** | Not determined |
| **Other information** | |
| **Pounds per gallon** | 6.7081 lb/gal |
| **Specific gravity** | 0.805 |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport |
| **Chemical stability** | Material is stable under normal conditions. Stable under normal conditions. |
| **Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **Conditions to avoid** | Avoid heat, sparks, open flames and other ignition sources. Suitable precautions should be utilized if using this product at temperatures above the flash point. Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | No hazardous decomposition products are known. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| **Skin contact** | Causes skin irritation. |
| **Eye contact** | Causes serious eye irritation. |
| **Ingestion** | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | May be fatal if swallowed and enters airways. |
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/eye irritation** | Causes serious eye irritation. |

**Respiratory or skin sensitization**

| | |
|---|---|
| **Respiratory sensitization** | Not a respiratory sensitizer. |
| **Skin sensitization** | This product is not expected to cause skin sensitization. |
| **Germ cell mutagenicity** | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| **Carcinogenicity** | Not classifiable as to carcinogenicity to humans. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

| | |
|---|---|
| **Reproductive toxicity** | This product is not expected to cause reproductive or developmental effects |
| **Specific target organ toxicity - single exposure** | May cause drowsiness or dizziness. |
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |
| **Chronic effects** | Prolonged inhalation may be harmful. |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components | | Species | Test Results |
|---|---|---|---|
| Petroleum Distillates Hydrotreated Light (CAS 64742-47-8) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours |

| | |
|---|---|
| **Persistence and degradability** | No data is available on the degradability of any ingredients in the mixture. |
| **Bioaccumulative potential** | |
| **Mobility in soil** | No data available. |
| **Other adverse effects** | The product contains volatile organic compounds which have a photochemical ozone creation potential. |

## 13. Disposal considerations

| | |
|---|---|
| **Disposal instructions** | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Local disposal regulations** | Dispose in accordance with all applicable regulations. |
| **Waste from residues / unused products** | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## 14. Transport information

**DOT BULK**

| | |
|---|---|
| **UN number** | NA1993 |
| **Proper shipping name** | Combustible Liquid, n.o.s., (Petroleum Distillates, Propylene Glycol Monobutyl Ether) |
| **Hazard class** | Combustible Liquid |
| **Packing group** | III |
| **ERG code** | 128 |

**DOT NON-BULK**

Not regulated in a container less than 119 gallons.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA) Restrictions of Use**

None known

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

| | |
|---|---|
| Petroleum Distillates Hydrotreated Light (CAS 64742-47-8) | Listed. |

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

| | |
|---|---|
| **SARA 311/312 Hazardous chemical** | Yes |
| **Classified hazard categories** | Flammable (gases, aerosols, liquids, or solids)<br>Skin corrosion or irritation<br>Serious eye damage or eye irritation<br>Specific target organ toxicity (single or repeated exposure)<br>Aspiration hazard |

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

| | |
|---|---|
| **Safe Drinking Water Act (SDWA)** | Not regulated. |

**US state regulations**

**California Proposition 65**

**WARNING:** This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

| | |
|---|---|
| Benzene (CAS 71-43-2) | Listed: February 27, 1987 |
| Cumene (CAS 98-82-8) | Listed: April 6, 2010 |
| Ethyl Benzene (CAS 100-41-4) | Listed: June 11, 2004 |
| Naphthalene (CAS 91-20-3) | Listed: April 19, 2002 |

**California Proposition 65 - CRT: Listed date/Developmental toxin**

| | |
|---|---|
| Benzene (CAS 71-43-2) | Listed: December 26, 1997 |
| Toluene (CAS 108-88-3) | Listed: January 1, 1991 |

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

| | |
|---|---|
| Benzene (CAS 71-43-2) | Listed: December 26, 1997 |

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Petroleum Distillates Hydrotreated Light (CAS 64742-47-8)

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 06-08-2022

**Version #** 01

**Disclaimer** Superior Industrial Solutions, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's sole responsibility to determine whether the particular purpose and use of the product is proper, suitable and safe, and to ensure safe conditions for handling, storage and disposal of the product, and the user assumes all liability for loss, injury, damage or expense arising out of its use. This information is based on data available to us and is accurate to the best of our knowledge at the time of printing. However, no representation or warranty is expressed or implied, including warranties of merchantability or fitness for a particular purpose, regarding the accuracy or completeness of the information contained herein. All materials may present known and unknown hazards and should be used with caution. Buyer assumes all risk and liabilities arising out of these hazards. Buyer accepts and uses this material on these conditions.

# DAC Industries, Inc.
# Safety Data Sheet

## 1. Identification

**Product name:** Universal II All Purpose Cleaner/Degreaser

**Product code:** DAC-353

**Recommended use:** Cleaner

**Restrictions on use:** None known

**Supplier:**
DAC Industries, Inc.
1636 Gervais Avenue - Suite 9
Maplewood, MN 55109, USA
T +1 (651) 748-1750

**Emergency number:** (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US),
1-703-527-3887 (Outside the US),
Chemtrec - Mexico 01-800-681-9531

**Issue date:** 03/01/2023

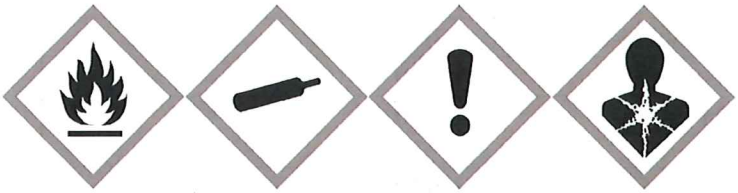
## 2. Hazard(s) identification

### Classification:

| Physical hazards | Health hazards |
|---|---|
| Flammable aerosol Category 1<br>Gases under pressure Compressed gas | Skin corrosion/irritation Category 2<br>Eye irritation Category 2<br>Reproductive toxicity Category 2<br>Specific target organ toxicity – Single exposure, Category 3, Narcosis<br>Specific target organ toxicity (repeated exposure) Category 2<br>Aspiration hazard Category 1 |

### GHS US labeling:

Danger!



| Hazard statements (GHS US) | Precautionary statements (GHS US) |
|---|---|
| H222 - Extremely flammable aerosol<br>H280 - Contains gas under pressure; may explode if heated<br>H304 - May be fatal if swallowed and enters airways<br>H315 - Causes skin irritation<br>H319 - Causes serious eye irritation<br>H336 - May cause drowsiness or dizziness<br>H361 - Suspected of damaging fertility or the unborn child | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 - Do not spray on an open flame or other ignition source. |

| | |
|---|---|
| H373 - May cause damage to organs (Neurologic effect, hearing sense) through prolonged or repeated exposure (Inhalation) | P251 - Pressurized container: Do not pierce or burn, even after use.<br>P260 - Do not breathe mist, vapors.<br>P264 - Wash hands thoroughly after handling.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves, eye protection.<br>P301+P310 - If swallowed: Immediately call a poison center or doctor.<br>P331 - Do NOT induce vomiting.<br>P302+P352 - If on skin: Wash with plenty of soap and water.<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.<br>P312 - Call a poison center or doctor if you feel unwell.<br>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P308+P313 - If exposed or concerned: Get medical advice/attention.<br>P405 - Store locked up.<br>P410+P403 - Protect from sunlight. Store in a well-ventilated place.<br>P412 - Do not expose to temperatures exceeding 50 °C/ 122 °F.<br>P501 - Dispose of contents/container to an approved waste disposal plant. |

## 3: Composition/Information on ingredients

| Component | CAS-No. | Amount (%) |
|---|---|---|
| Acetone | 67-64-1 | 40-50 |
| Heptane, branched, cyclic and linear | 426260-76-6 | 30-40 |
| Propan-2-ol, isopropyl alcohol, isopropanol | 67-63-0 | 1-10 |
| Carbon dioxide ($CO_2$)<br>(Propellant gas (Aerosol)) | 124-38-9 | 1-10 |
| heptane, n-heptane | 142-82-5 | 1-10 |
| Toluene | 108-88-3 | <2 |

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

## 4. First-aid measures

**Inhalation**: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

**Skin**: Wash skin with plenty of water and soap. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

**Eyes**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**: Aspiration hazard. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**Symptoms/effects**: May cause drowsiness or dizziness. Causes eye irritation. Causes skin irritation. Aspiration hazard. May be fatal if swallowed and enters airways. May cause damage to organs (Neurologic effect, hearing sense) through prolonged or repeated exposure (inhalation). Suspected of damaging fertility or the unborn child.

**Immediate medical attention and special treatment, if necessary**: If accidentally swallowed obtain immediate medical attention.

## 5. Fire-fighting measures

**Suitable extinguishing media**: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. Cool down the containers exposed to heat with a water spray.

**Unsuitable extinguishing media**: None.

**Fire hazard**: Flammable aerosol. Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Pressurized container: may burst if heated. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

**Special protective equipment and precautions for fire-fighters**: Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe aerosol. Avoid contact with eyes, skin and clothing.

**Methods and material for containment and cleaning up**: Collect spillage. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

## 7. Handling and storage

**Precautions for safe handling**: Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Do not breathe aerosol. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

**Storage conditions**: Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. U.F.C. (NFPA 30B) Level III Aerosol.

## 8. Exposure controls/personal protection

| **Exposure guidelines:** | |
|---|---|
| Carbon dioxide (CO2) | 9000 mg/m³ TWA OSHA PEL; 5000 ppm TWA OSHA PEL; 5000 ppm TWA ACGIH TLV; 30000 ppm STEL ACGIH TLV; |

| | |
|---|---|
| Acetone | 2400 mg/m³ TWA OSHA PEL; 1000 ppm TWA OSHA PEL; 250 ppm TWA ACGIH TLV; 500 ppm STEL ACGIH TLV; |
| Heptane, branched, cyclic and linear | None established. |
| heptane, n-heptane | 2000 mg/m³ TWA OSHA PEL; 500 ppm TWA OSHA PEL; 400 ppm TWA ACGIH TLV; 500 ppm STEL ACGIH TLV; |
| Propan-2-ol, isopropyl alcohol, isopropanol | 980 mg/m³ TWA OSHA PEL; 400 ppm TWA OSHA PEL; 200 ppm TWA ACGIH TLV; 400 ppm STEL ACGIH TLV; |
| Toluene | 200 ppm TWA OSHA PEL; 300 ppm Ceiling OSHA; 20 ppm TWA ACGIH TLV; |

**Appropriate engineering controls**: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Environmental exposure controls**: Do not allow product to spread into the environment.

**Personal protective equipment:**

**Hand protection**: Wear suitable gloves

**Eye protection**: Use suitable eye protection

**Skin and body protection**: Wear suitable protective clothing

**Respiratory protection**: No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and chemical properties

**Appearance:** Aerosol spray can.

**Physical state** : Liquid

**Color** : Clear, colorless liquid

**Odor** : Solvents

**Odor threshold** : No data available

**pH** : No data available

**Melting point** : No data available

**Freezing point** : No data available

**Boiling point** : 65 °C (149 °F)

**Flash point** : < -18 °C (-0.4 °F)

**Relative evaporation rate (butyl acetate=1)** : No data available

**Flammability** : Extremely flammable aerosol.

**Vapor pressure** : No data available

**Relative vapor density at 20°C** : No data available

**Relative density** : 0.7

**Solubility** : completely miscible.

**Partition coefficient n-octanol/water (Log Pow)** : No data available

**Auto-ignition temperature** : 240 °C (464 °F)

**Decomposition temperature** : No data available

**Viscosity, kinematic** : No data available

**Viscosity, dynamic** : No data available

**Explosion limits** : Lower explosion limit: 1.2 vol %
Upper explosion limit: 13 vol %

**Explosive properties** : No data available

**Oxidizing properties** : Not oxidising.

No additional information available

## 10. Stability and reactivity

**Reactivity**: Extremely flammable aerosol.

**Chemical stability**: Stable under normal conditions.

**Possibility of hazardous reactions**: No dangerous reactions known under normal conditions of use.

**Conditions to avoid**: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

**Incompatible materials** : Strong oxidizing agents. Acids. Strong bases. Strong reducing agents.

**Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

**Inhalation**: May cause drowsiness or dizziness.

**Skin**: Causes skin irritation.

**Eyes**: Causes serious eye irritation.

**Ingestion**: Aspiration hazard. May be fatal if swallowed and enters airways.

**Chronic symptoms**: May cause damage to organs (Neurologic effect, hearing sense) through prolonged or repeated exposure (Inhalation). Suspected of damaging fertility or the unborn child.

| | |
|---|---|
| **Carcinogenicity**: | Not classified |
| Carbon dioxide (CO2): | This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA. |
| Acetone: | This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA. |
| Heptane, branched, cyclic and linear: | This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA. |
| heptane, n-heptane: | This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA. |
| Propan-2-ol, isopropyl alcohol, isopropanol: | IARC 3 - Not classifiable; |
| Toluene: | IARC 3 - Not classifiable; |
| **Germ cell mutagenicity**: | Not classified |
| **Reproductive toxicity**: | Suspected of damaging fertility or the unborn child. |

| | |
|---|---|
| **Acute toxicity (oral)** | : Not classified |
| **Acute toxicity (dermal)** | : Not classified |
| **Acute toxicity (inhalation)** | : Not classified |

**Numerical measures of toxicity**:

**The following are the toxicity values for the components:**

| | |
|---|---|
| Carbon dioxide (CO2) | No data available |
| Acetone | 5800 mg/kg LD50 oral rat<br>76 mg/l LC50 Inhalation - Rat |
| Heptane, branched, cyclic and linear | No data available |

| | |
|---|---|
| heptane, n-heptane | > 5000 mg/kg LD50 oral rat<br>> 2000 mg/kg LD50 dermal rabbit<br>> 29300 mg/m³ LC50 Inhalation - Rat |
| Propan-2-ol, isopropyl alcohol, isopropanol | 5840 mg/kg LD50 oral rat<br>16.4 ml/kg LD50 dermal rabbit<br>1666.66 ppm/1h LC50 Inhalation – Rat |
| Toluene | 5580 mg/kg LD50 oral rat<br>> 5000 mg/kg LD50 dermal rabbit<br>28.1 mg/l/4h LC50 Inhalation - Rat |
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/irritation** | Causes serious eye irritation. |
| **Respiratory or skin sensitization** | Not classified |
| **STOT-single exposure** | May cause drowsiness or dizziness. |
| **STOT-repeated exposure** | May cause damage to organs (Neurologic effect, hearing sense) through prolonged or repeated exposure (Inhalation). |
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |

## 12. Ecological information

**Ecology - general**: Very toxic to aquatic life with long lasting effects.

| | |
|---|---|
| **Ecotoxicity**: | |
| Acetone | ≥ 79 mg/l Daphnia magna (Water flea) NOEC (chronic) |
| heptane, n-heptane | 3.9 mg/l EC50 – Crustacea<br>0.17 mg/l Daphnia magna Duration: '21 d' NOEC (chronic) |
| Propan-2-ol, isopropyl alcohol, isopropanol | 10000 mg/l Pimephales promelas (Fathead minnow) LC50 – Fish<br>9640 mg/l Pimephales promelas (Fathead minnow) LC50 – Fish<br>> 10000 mg/l EC50 – Crustacea<br>3.37 mg/l NOEC chronic crustacea |
| Toluene | 5.5 mg/l Oncorhynchus kisutch LC50 - Fish<br>7.63 mg/l Oncorhynchus mykiss (Rainbow trout) LC50 - Fish<br>3.78 mg/l EC50 - Crustacea<br>10 mg/l EC50 72h - Algae<br>0.74 mg/l Ceriodaphnia dubia Duration: '7 d' NOEC (chronic)<br>1.39 mg/l Oncorhynchus kisutch Duration: '40 d' NOEC chronic fish<br>0.74 mg/l NOEC chronic crustacea |
| **Persistence and degradability**: | No data available |
| Propan-2-ol, isopropyl alcohol, isopropanol: | Readily biodegradable. |
| **Bioaccumulative potential**: | No data available |
| Propan-2-ol, isopropyl alcohol, isopropanol: | BCF Fish - 3; Log KOW0.05 |
| **Mobility in soil**: | No data available |

**Other adverse effects**:

No data available

## 13. Disposal considerations

**Regional legislation (waste)**: Dispose of in accordance with applicable federal, state, and local regulations.

**Additional information**: Empty containers retain product residue and can be hazardous.

## 14. Transport information

**Department of Transportation (DOT)**

**Proper Shipping Name (DOT)** : Aerosols
**UN-No.(DOT)** : UN1950
**Class (DOT)** : 2.1
**Packing group (DOT)** : Not applicable
**Hazard labels (DOT)** : Flammable gas
**Dangerous for the environment** : Yes

**Transport by sea**

**Proper Shipping Name (IMDG)** : AEROSOLS
**UN-No. (IMDG)** : 1950
**Class (IMDG)** : 2
**Packing group (IMDG)** : Not applicable
**Marine pollutant** : Yes

**Air transport**

**Proper Shipping Name (IATA)** : Aerosols, flammable
**UN-No. (IATA)** : 1950
**Class (IATA)** : 2
**Packing group (IATA)** : Not applicable

## 15. Regulatory information

**SARA Section 313 - Emission Reporting:** Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|---|---|---|
| Toluene | 108-88-3 | <2% |

**CERCLA Section 103:**

| | | |
|---|---|---|
| Acetone | 67-64-1 | 5000 lb |
| Toluene | 108-88-3 | 1000 lb |

**SARA 302:**

Not applicable

**SARA Section 311/312 Hazard Classes:** Refer to Section 2 for OSHA Hazard Classification.

**California Proposition 65:**

**WARNING:** This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**TSCA:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

## 16. Other information

Issue date : 03/01/2023

| Indication of changes: |
| --- |
| new version. |

**NOTICE**

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.