



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Product Name:** Idemitsu CVT Type H2, 4 X 5 Quart Case  
**Product Code:** 30041114-95300C020

**Revision Date:** 15-Feb-2022  
**Revision Number:** 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product Name:** Idemitsu CVT Type H2, 4 X 5 Quart Case

### Other means of identification

**Product Code:** 30041114-95300C020

### 1.2 Recommended use of the chemical and restrictions on use

**Recommended Use:** Lubricant

### 1.3 Details of the supplier of the safety data sheet

**Manufactured by:** Idemitsu Lubricants America Corporation  
701 Port Rd., Jeffersonville, IN. 47130  
Telephone: 1-(812) 284-3300 Business hours: 8am-4:30pm est  
Email: lla.sds@idemitsu.com

**24 Hour Emergency Phone Number:** Within USA and Canada: 1 800-424-9300  
Outside USA and Canada: + 1 703-741-5970  
(collect calls accepted)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                       |                   |
|-----------------------|-------------------|
| Reproductive toxicity | Category 2 Testes |
|-----------------------|-------------------|

### 2.2 Label elements



**Signal word**

**Warning**

**Hazard Statements**

H361 - Suspected of damaging fertility or the unborn child if swallowed

**Precautionary Statements - Prevention**

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear protective gloves/protective clothing and eye/face protection

**Precautionary Statements - Response**

P308 + P313 - IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

P405 - Store locked up

**Precautionary Statements - Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

### 2.3 Other information

**Hazards not otherwise classified (HNOC):**

Not applicable

**Other hazards**

May be harmful if swallowed  
Causes mild skin irritation  
Toxic to aquatic life  
Harmful to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixture

**Hazardous Components**

| Chemical name       | CAS-No    | weight-% | US GHS Classification   | Notes |
|---------------------|-----------|----------|---|-------|
| Tricresyl Phosphate | 1330-78-5 | <1       | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)<br>Reproductive 2 (H361)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) |       |

#### Non-Hazardous Components

| Chemical name           | CAS-No  | weight-% |
|-------------------------|---------|----------|
| Lubricating Base Stocks | Mixture | 80-90    |

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

### 4. FIRST AID MEASURES

#### 4.1 First Aid Measures

|                                   |   |
|-----------------------------------|---|
| <b>General Advice</b>             | If symptoms persist, call a physician. Take a copy of the Safety Data Sheet when going for medical treatment.   |
| <b>Skin Contact</b>               | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before re-use. Call a physician immediately.   |
| <b>Eye Contact</b>                | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists: Get medical advice or attention. IF exposed or concerned: Get medical advice.  |
| <b>Inhalation</b>                 | In case of inadequate ventilation wear respiratory protection. If breathing difficulties develop, move victim away from source of exposure and into fresh air in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately. |
| <b>Ingestion</b>                  | Do not induce vomiting without medical advice. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.  |
| <b>Protection of First-aiders</b> | Use personal protective equipment. Avoid contact with eyes, skin and clothing.  |

#### 4.2 Most important symptoms and effects, both acute and delayed

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | See Section 11 for additional Toxicological information. |
|-----------------|--|

#### 4.3 Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>Flammable Properties</b> | NFPA: Class IIIB Combustible Liquid |
|-----------------------------|-------------------------------------|

#### 5.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

#### Unsuitable Extinguishing Media:

Do not use a solid water stream as it may scatter and spread fire.

#### 5.2 Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources

of ignition.

**Hazardous combustion products**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and / or irritating. Combustion products may include and are not limited to:

Calcium Oxides (CaOx)  
Phosphorus compounds (POx)  
Carbon oxides  
Nitrogen oxides (NOx)  
Oxides of Boron

**5.3 Protective Equipment and Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation. Remove all sources of ignition.

**6.2. Environmental precautions**

**Environmental Precautions** See section 12 for additional ecological information. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow into any sewer, on the ground or into any body of water. Do not flush into surface water or sanitary sewer system. Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

**6.3 Methods and material for containment and cleaning up**

**Methods for Clean-up** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Spill Management**

**LARGE SPILLS** Eliminate sources of ignition. Prevent additional discharge of material if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities.

**WATER SPILLS** Prevent liquid entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent. If liquid is too viscous for pumping, scrape up. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in the SDS. Wear protective gloves, protective clothing, eye protection, and face protection. Wash hands thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Should not be released into the

environment.

**Safe Handling Advice**

Handle in accordance with good industrial hygiene and safety practices. Take precautionary measures against static discharges.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage**

Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.

**Technical measures/Precautions**

Ensure adequate ventilation.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

| Chemical name     | OSHA PEL                 | ACGIH TLV                | ACGIH OEL (STEL) | NIOSH REL TWA                                      | ILA IHG | ILA ROEG | ILA Internal Exposure Limit |
|-------------------|--------------------------|--------------------------|------------------|--|---------|----------|-----------------------------|
| Oil mist, mineral | TWA: 5 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup> | -                | TWA 5 mg/m <sup>3</sup><br>ST 10 mg/m <sup>3</sup> | -       | -        | -                           |

**8.2 Exposure controls**

**Appropriate engineering controls** Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Personal Protective Equipment**

**Eye/face protection**

Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

**Skin protection**

Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposed skin surfaces. **Glove Type:** Neoprene, Nitriles

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

Clean equipment, work area and clothing regularly.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

|                               |                          |
|-------------------------------|--------------------------|
| Appearance                    | Light Brown              |
| Physical state                | Liquid                   |
| Odor                          | Not available            |
| Odor Threshold                | No information available |
| pH                            | Not applicable           |
| Melting point / melting range | Not applicable           |

|                               |  |
|-------------------------------|--|
| Boiling point / boiling range | No information available                                 |
| Flash Point                   | 170 °C 338 °F Cleveland Open Cup                         |
| Evaporation Rate              | No information available                                 |
| Flammability Limit in Air     | No information available                                 |
| Explosion Limits              | No information available                                 |
| Vapor pressure @20 °C (kPa)   | No information available                                 |
| Vapor density                 | No information available                                 |
| Density                       | 0.825 g/cm <sup>3</sup> @15°C                            |
| Solubility(ies)               | No information available                                 |
| Partition coefficient         | No information available                                 |
| Autoignition Temperature      | No information available                                 |
| Decomposing Temperature       | No information available                                 |
| Kinematic viscosity           | @40C 26 mm <sup>2</sup> /s; @100C 6.8 mm <sup>2</sup> /s |

## 9.2. Other information

|                       |  |
|-----------------------|--|
| DMSO extract by IP346 | Less than 3.0 wt% (mineral oil component only) |
|-----------------------|--|

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

|            |                                   |
|------------|-----------------------------------|
| Reactivity | The product is chemically stable. |
|------------|-----------------------------------|

### 10.2. Chemical stability

|                    |  |
|--------------------|--|
| Chemical Stability | Stable under recommended storage conditions. |
|--------------------|--|

### 10.3. Possibility of hazardous reactions

|                                    |                               |
|------------------------------------|-------------------------------|
| Possibility of Hazardous Reactions | None under normal processing. |
|------------------------------------|-------------------------------|

### 10.4. Conditions to avoid

|                     |                          |
|---------------------|--------------------------|
| Conditions to Avoid | Heat, flames and sparks. |
|---------------------|--------------------------|

### 10.5. Incompatible materials

|                        |                         |
|------------------------|-------------------------|
| Incompatible Materials | Strong oxidizing agents |
|------------------------|-------------------------|

### 10.6. Hazardous decomposition products

|                                  |   |
|----------------------------------|---|
| Hazardous decomposition products | Thermal decomposition can lead to release of irritating gases and vapors. |
|----------------------------------|---|

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on likely routes of exposure

|              |  |
|--------------|--|
| Inhalation   | May cause irritation of respiratory tract.   |
| Eye contact  | May cause slight irritation.                 |
| Skin Contact | May cause skin irritation and/or dermatitis. |
| Ingestion    | May be harmful if swallowed.                 |

### 11.2 Information on toxicological effects

**Symptoms** No information available

**11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Not classified.  
**Serious eye damage/eye irritation** Not classified.  
**Sensitization** Not classified.  
**Mutagenic effects** Not classified.  
**Reproductive Toxicity** Suspected of damaging fertility or the unborn child  
 Developmental Effects Testes  
 Exposure route Oral  
**STOT - single exposure** Not classified.  
**STOT - repeated exposure** Not classified  
**Aspiration hazard** Not classified.

**11.4 Carcinogenicity**

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, OSHA or ACGIH.

**Legend:** *NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), OSHA (Occupational Safety and Health Administration of the US Department of Labor), ACGIH (American Conference of Governmental Industrial Hygienists)*

**11.5 Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

**Product Information (Estimated):**

**ATEmix (oral)** >5000 mg/kg  
**ATEmix (dermal)** >5000 mg/kg  
**ATEmix (inhalation-dust/mist)** >5 mg/l

**Component Information**

| Chemical name                    | Oral LD50             | Dermal LD50              | Inhalation LC50        |
|----------------------------------|-----------------------|--------------------------|------------------------|
| Tricresyl Phosphate<br>1330-78-5 | > 3,000 mg/kg ( Rat ) | > 7,900 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h |

**12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

**Ecotoxicity effects** Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic

environment.

| Chemical name       | 96h LC50 (fish - mg/L)<br>(96HLCF) | 48h EC50 (daphnia - mg/L)<br>(48HLCD) | 72h LC50 (algae - mg/L)<br>(72HICA) |
|---------------------|------------------------------------|---------------------------------------|-------------------------------------|
| Tricresyl Phosphate | 0.75                               | 0.27                                  | 0.56                                |

**12.2 Persistence and degradability**

The hydrocarbons in this material are not readily biodegradable, but since they can be degraded by microorganisms, they are regarded as inherently biodegradable.

**12.3. Bioaccumulative potential**

No information available.

| Chemical name                    | Partition coefficient |
|----------------------------------|-----------------------|
| Tricresyl Phosphate<br>1330-78-5 | 5.93                  |

**12.4 Mobility in Environmental Media**

No information available.

**12.5 Other adverse effects:**

No information available.

**PBT and vPvB assessment**

No information available

**13. DISPOSAL CONSIDERATIONS**

Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

**Waste Disposal Method**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

|  |  |               |                 |
|--|--|---------------|-----------------|
| <b>TSCA</b>  | All ingredients are on the inventory or exempt from listing  |               |                 |
| <b>DSL/NDSL</b>                                    | All ingredients are on the inventory or exempt from listing<br>There are ingredients listed on the NDSL Inventory List |               |                 |
| <b>Chemical name</b>                               | <b>NDSL</b>  | <b>CAS-No</b> | <b>weight-%</b> |
| 1,3,4-Thiadiazole-2(3H)-thione, 5-(tertbutylthio)- | X  | 97503-12-3    | <0.1            |
| <b>ENCS</b>  | All ingredients are on the inventory or exempt from listing  |               |                 |
| <b>IECSC</b>                                       | All ingredients are on the inventory or exempt from listing  |               |                 |



|              |   |
|--------------|---|
| <b>KECL</b>  | All ingredients are on the inventory or exempt from listing |
| <b>AICS</b>  | All ingredients are on the inventory or exempt from listing |
| <b>REACH</b> | All ingredients are on the inventory or exempt from listing |

**USA**

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazardous Categorization**

|  |                       |
|--|-----------------------|
| <b>Acute health hazard</b>               | Reproductive Toxicity |
| <b>Chronic Health Hazard</b>             | Reproductive Toxicity |
| <b>Fire hazard</b>                       | No                    |
| <b>Sudden Release of Pressure Hazard</b> | No                    |
| <b>Reactive Hazard</b>                   | No                    |

**CERCLA/SARA 302 & 304**

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 355.

| Chemical name       | CAS-No  | weight-% | RQ                                      | TPQ |
|---------------------|---------|----------|---|-----|
| Methyl methacrylate | 80-62-6 | <0.1     | RQ 1000lb final RQ<br>RQ 454kg final RQ | -   |
| Methyl methacrylate | 80-62-6 | <0.1     | RQ 1000lb final RQ<br>RQ 454kg final RQ | -   |
| Naphthalene         | 91-20-3 | <0.001   | RQ 100lb final RQ<br>RQ 45.4kg final RQ | -   |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

| Chemical name       | CAS-No  | weight-% | HAPS data |
|---------------------|---------|----------|-----------|
| Methyl methacrylate | 80-62-6 | <0.1     | X         |
| Methyl methacrylate | 80-62-6 | <0.1     | X         |
| Naphthalene         | 91-20-3 | <0.001   | X         |

**State Regulations**

**California Proposition 65**

Label:



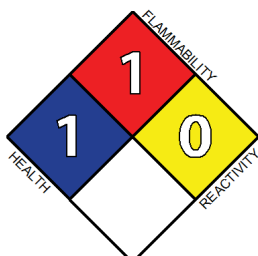
**WARNING** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

| Chemical name | CAS-No  | weight-% | California Prop. 65 | Maximum Allowable Dose for Reproductive Toxicity (MADLS) | Safe Harbor Limits for Cancer-causing Chemicals (NSRLs) |
|---------------|---------|----------|---------------------|--|---|
| Naphthalene   | 91-20-3 | <0.001   | Carcinogen          | -  | 5.8 µg/day  |

**State Right-to-Know**

This product does not contain any substances regulated by state right-to-know regulations

## 16. OTHER INFORMATION



NFPA

Health hazards: 1 Flammability: 1 Instability: 0

Prepared By: Latoya Walker

Revision Date: 15-Feb-2022

Revision Summary: New Item

**Disclaimer:**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**