



# SAFETY DATA SHEET

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

**Product Name:** Idemitsu CVTF SB2  
**Product Code:** TEMP 279

**Revision Date:** 09-Dec-2020  
**Revision Number:** 1

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

### 1.1 Product identifier

**Product Name:** Idemitsu CVTF SB2

### Other means of identification

**Product Code:** TEMP 279

### 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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 2.2 Label elements

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Hazards not otherwise classified (HNOC)** Not applicable

### 2.3 Other information

**Other hazards** May be harmful in contact with skin  
Harmful to aquatic life

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixture

#### Non-Hazardous Components

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

## 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. If skin irritation persists, call a physician.
<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.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. 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. If symptoms persist, call a physician.
<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**

**Symptoms** See Section 11 for additional Toxicological information.

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

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Flammable Properties**

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****Hazardous combustion products**

Keep product and empty container away from heat and sources of ignition.

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:  
Carbon oxides  
Oxides of Phosphorus  
Sulphur oxides  
Nitrogen oxides (NOx)  
Metal Oxides

**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**

Do not breathe vapors, spray, or mist. Avoid contact with eyes, skin and clothing. Use personal protection recommended in the SDS. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. 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****Exposure Guidelines**

Chemical name	OSHA PEL	ACGIH TLV	ACGIH OEL (STEL)	NIOSHT 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> 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	Not available
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	216 °C / 420.8 °F
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	0.845
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposing Temperature	No information available
Kinematic viscosity	@ 40C = 32.42 cSt; @ 100C = 6.96 cSt

### 9.2. Other information

No additional information available

## 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

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

11.2 Information on toxicological effects

<b>Symptoms</b>	No information available
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11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Sensitization</b>	Not classified.
<b>Mutagenic effects</b>	Not classified.
<b>Reproductive Toxicity</b>	Not classified
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	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):

<b>ATEmix (oral)</b>	> 2,000 mg/kg
<b>ATEmix (dermal)</b>	> 2,000 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	> 5 mg/l

**12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity

**Ecotoxicity effects** Harmful to aquatic life. 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.

### 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.

### 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 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>PICCS</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>NZIoC</b>	All ingredients are on the inventory or exempt from listing		
<b>Taiwan</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>	No
<b>Chronic Health Hazard</b>	No
<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
Ethylene glycol	107-21-1	<0.1	RQ 5000lb final RQ RQ 2270kg final RQ	
Ethyl Acrylate	140-88-5	<0.01	RQ 1000lb final RQ RQ 454kg final RQ	
Phosphoric acid	7664-38-2	<0.01	RQ 5000lb final RQ RQ 2270kg final RQ	
Hydrogen chloride	7647-01-0	<0.0001	RQ 5000lb final RQ RQ 2270kg final RQ	500 lb TPQ
Ethylene Oxide	75-21-8	<0.00001	RQ 10lb final RQ RQ 4.54kg final RQ	1000 lb TPQ
Propylene oxide	75-56-9	<0.00001	RQ 100lb final RQ RQ 45.4kg final RQ	10000 lb TPQ
Benzene	71-43-2	<0.00001	RQ 10lb final RQ RQ 4.54kg final RQ	
Ethyl benzene	100-41-4	<0.00001	RQ 1000lb final RQ RQ 454kg final RQ	
1,4-Dioxane	123-91-1	<0.00001	RQ 100lb final RQ RQ 45.4kg final RQ	
Toluene	108-88-3	<0.00001	RQ 1000lb final RQ RQ 454kg final RQ	
Phenol	108-95-2	<0.00001	RQ 1000lb final RQ RQ 454kg final RQ	500 lb lower TPQ 10000 lb upper TPQ
Naphthalene	91-20-3	<0.00001	RQ 100lb final RQ 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
Ethylene glycol	107-21-1	<0.1	X
Ethyl Acrylate	140-88-5	<0.01	X
Hydrogen chloride	7647-01-0	<0.0001	X
Ethylene Oxide	75-21-8	<0.00001	X
Propylene oxide	75-56-9	<0.00001	X
Benzene	71-43-2	<0.00001	X
Ethyl benzene	100-41-4	<0.00001	X
1,4-Dioxane	123-91-1	<0.00001	X
Toluene	108-88-3	<0.00001	X



Phenol	108-95-2	<0.00001	X
Naphthalene	91-20-3	<0.00001	X

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CAS-No	weight-%	U.S. - CWA (Clean Water Act)
Phosphoric acid	7664-38-2	<0.01	X
Hydrogen chloride	7647-01-0	<0.0001	X
Propylene oxide	75-56-9	<0.00001	X
Benzene	71-43-2	<0.00001	X
Ethyl benzene	100-41-4	<0.00001	X
Toluene	108-88-3	<0.00001	X
Phenol	108-95-2	<0.00001	X
Naphthalene	91-20-3	<0.00001	X

**State Regulations****California Proposition 65**

Label:

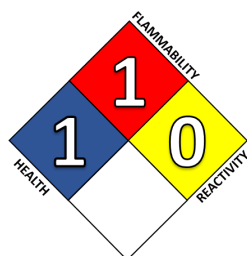


**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical name	CAS-No	weight-%	California Prop. 65	Maximum Allowable Dose for Reproductive Toxicity (MADLS)	Safe Harbor Limits for Cancer-causing Chemicals (NSRLs)
Ethylene glycol	107-21-1	<0.1	Developmental	8700µg/dayoral;ingested	
Ethyl Acrylate	140-88-5	<0.01	Carcinogen		
Ethylene Oxide	75-21-8	<0.00001	Carcinogen Developmental Female Reproductive Male Reproductive	20µg/day	2 µg/day
Propylene oxide	75-56-9	<0.00001	Carcinogen		
Benzene	71-43-2	<0.00001	Carcinogen Developmental Male Reproductive	24µg/dayoral 49µg/dayinhalation	6.4 µg/day oral 13 µg/day inhalation
Ethyl benzene	100-41-4	<0.00001	Carcinogen		54 µg/day inhalation 41 µg/day oral
1,4-Dioxane	123-91-1	<0.00001	Carcinogen		30 µg/day
Toluene	108-88-3	<0.00001	Developmental	7000µg/daylevel represents absorbed dose	
Naphthalene	91-20-3	<0.00001	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: Aaron Keck

Revision Date: 09-Dec-2020

Revision Summary: Temp SDS

**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**