

Safety Data Sheet

1 Chemicals and company identification

Product identifier

Product name: 76® LUBRICANTS 0W 20 -GF6

Additional identification

Chemical name: Mixture

Recommended use and restriction on use

Recommended use: Fluid Supply
Restrictions on use: None identified.

Details of the supplier of the safety data sheet

Supplier

Company Name: Sanbrea Japan Ltd
Address: 4-3-9 Nihonbashi Muromachi, Chuo-ku
Tokyo, 103-0022
JP
Telephone: 0120 460 064

Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1) 703 527 3887 OR WITHIN JAPAN
0345209637

2 Hazard(s) identification

GHS classification:

Physical Hazards

Explosives	Classification not possible (due to lack of data)
Flammable gas	Not classified/applicable
Chemically unstable gases	Not classified/applicable
Aerosols	Not classified/applicable
Oxidizing gases	Not classified/applicable
Gases under pressure	Not classified/applicable
Flammable liquids	Not classified/applicable
Flammable solid	Not classified/applicable
Self-reactive substances and mixtures	Classification not possible (due to lack of data)
Pyrophoric liquids	Classification not possible (due to lack of data)
Pyrophoric solids	Not classified/applicable
Self-heating substances and mixtures	Classification not possible (due to lack of data)
Substances and mixtures, which in contact with water, emit flammable gases	Classification not possible (due to lack of data)
Oxidizing liquids	Classification not possible (due to lack of data)
Oxidizing solids	Not classified/applicable
Organic peroxides	Classification not possible (due to lack of data)
Corrosive to metal	Classification not possible (due to lack of data)

Health Hazards

Acute toxicity (Oral)	Not classified/applicable
Acute toxicity (Dermal)	Not classified/applicable
Acute toxicity (Inhalation - gas)	Not classified/applicable
Acute toxicity (Inhalation - vapor)	Not classified/applicable
Acute toxicity (Inhalation - dust and mist)	Not classified/applicable
Skin Corrosion/Irritation	Not classified/applicable
Serious Eye Damage/Eye Irritation	Not classified/applicable
Respiratory sensitizer	Classification not possible (due to lack of data)
Skin sensitizer	Classification not possible (due to lack of data)
Germ Cell Mutagenicity	Classification not possible (due to lack of data)
Carcinogenicity	Classification not possible (due to lack of data)
Toxic to reproduction	Classification not possible (due to lack of data)
Specific Target Organ Toxicity - Single Exposure	Classification not possible (due to lack of data)
Specific Target Organ Toxicity - Repeated Exposure	Classification not possible (due to lack of data)
Aspiration Hazard	Not classified/applicable

Environmental Hazards

Acute hazards to the aquatic environment	Not classified/applicable
Chronic hazards to the aquatic environment	Not classified/applicable
Hazardous to the ozone layer	Not classified/applicable

GHS label elements: Not applicable

Other hazards which do not result in GHS classification: None identified.

National/local information: No data available.

3 Composition/information on ingredients

Substance or mixture: Mixture

Hazardous Component(s):

Chemical name	Percent by Weight	CAS-No.
Mineral oil	80% - 90%	64742-54-7
Mineral oil	1% - 10%	64742-55-8
Mineral oil	1% - 10%	Mixture
Mineral oil	1% - 10%	Not determined.
Polyolefin amide alkeneamine	1 – 5%	Confidential
Alkaryl amine	1.0% - 10%	Confidential
Alkyl borate	0.1 – 0.5%	Confidential

The mineral oil contained in this material may be described by one or more of the following CAS Nos.: 64742-54-7, 64742-65-0, 64742-55-8, and 64742-56-9.

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Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4 First-aid measures

Description of first aid measures

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur. Launder contaminated clothing before reuse.

Ingestion: Treat symptomatically. Get medical attention.

Notes to the physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: See section 11.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5 Fire-fighting measures

General Fire Hazards:	No unusual fire or explosion hazards noted.
Extinguishing media	
Suitable extinguishing media:	CO2, Dry chemical or Foam. Water can be used to cool and protect exposed material.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture:	A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.
Advice for firefighters	
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Recommend wearing self-contained breathing apparatus.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.
Environmental Precautions:	Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.
Methods and material for containment and cleaning up:	Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7 Handling and storage

Precautions for safe handling:	Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use grounding and bonding connection when transferring material. In case of spills, beware of slippery floors and surfaces. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.
Maximum Handling Temperature:	Not determined.
Conditions for safe storage, including any incompatibilities:	Store away from incompatible materials. See section 10 for incompatible materials.
Maximum Storage Temperature:	Not determined.

8 Exposure controls/personal protection

Control Parameters:

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Mineral oil - Mist.	TWA	3 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (09 2015)
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Appropriate engineering controls:

No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information:

Use personal protective equipment as required.

Eye/face protection:

If contact is likely, safety glasses with side shields are recommended.

Skin Protection

Hand Protection:

Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water.

Other:

No data available.

Respiratory Protection:

Use disposable dust/mist mask if the recommended exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9 Physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

Color:

Amber

Odor:

Characteristic

pH:

No data available.

Freezing point:

No data available.

Boiling Point:

No data available.

Flash Point:

199 °C (Pensky-Martens Closed Cup)

Flash Point (Japanese Fire Service Law):	226 °C (Cleveland Open Cup)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.826 - 0.866 (15.6 °C)
Solubility(ies)	
Solubility in water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	43 mm ² /s (40 °C) 8.1 - 8.7 mm ² /s (100 °C)

Other information

Bulk density:	7.05 lb/gal (15.6 °C)
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10 Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Do not expose to excessive heat, ignition sources, or oxidizing materials.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11 Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity

Oral

Product:	Not classified for acute toxicity based on available data.
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Dermal

Product: ATEmix > 2,000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation:

Product: Remarks: Not classified as a primary skin irritant. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Serious Eye Damage/Eye Irritation:

Product: Remarks: Not classified as a primary eye irritant.

Respiratory sensitization:

No data available

Skin sensitization:

Mineral oil Classification: Not a skin sensitizer. (Read across)

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Mineral oil Classification: Not a skin sensitizer. (Read across)

Alkyl borate Classification: Skin sensitizer
Remarks: Category 1B

Specific Target Organ Toxicity - Single Exposure:

Mineral oil If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

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Aspiration Hazard:

Mineral oil Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.

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Other effects:

Chronic Effects

Carcinogenicity:

Product: This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

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Germ Cell Mutagenicity:

Alkaryl amine This material has not exhibited mutagenic or genotoxic potential in laboratory tests.

Alkyl borate This material has not exhibited mutagenic or genotoxic potential in laboratory tests.

Reproductive toxicity:

Alkyl borate 25, 100, and 400 mg/kg of alkyl borate was administered daily in a 2 generation study. NOAEL for Parental reproductive toxicity was 400 mg/kg/day, the NOAEL for neonatal toxicity was 100 mg/kg/day and NOAEL for parental systemic toxicity was 100 mg/kg/day. Daily oral administration of 250, 500, and 1000 mg/kg of alkyl borate to rats on days 6 through 20 of gestation demonstrated maternal toxicity. NOAEL for maternal toxicity was 500 mg/kg/day and the NOAEL for embryo/fetal development was 250 mg/kg/day.

Specific Target Organ Toxicity - Repeated Exposure:

No data available

12 Ecological information

Ecotoxicity

Fish

Mineral oil LC 50 (Fathead Minnow, 96 h): > 100 mg/l
 Mineral oil LC 50 (Fathead Minnow, 96 h): > 100 mg/l
 Mineral oil LC 50 (Fathead Minnow, 4 d): > 100 mg/l
 Alkaryl amine LC 50 (Zebra Fish, 4 d): > 100 mg/l
 Alkyl borate LC 50 (Rainbow Trout, 96 h): 6.4 mg/l

Aquatic Invertebrates

Mineral oil EC 50 (Water flea (Daphnia magna), 48 h): > 10,000 mg/l
 EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l
 NOEC (Water flea (Daphnia magna), 21 d): 10 mg/l
 Mineral oil EC 50 (Water flea (Daphnia magna), 48 h): > 10,000 mg/l
 EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l
 NOEC (Water flea (Daphnia magna), 21 d): 10 mg/l
 Mineral oil EC 50 (Water flea (Daphnia magna), 2 d): > 10,000 mg/l
 EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l

	NOEC (Water flea (<i>Daphnia magna</i>), 21 d): > 10 mg/l
Alkaryl amine	EC 50 (Water flea (<i>Daphnia magna</i>), 2 d): > 100 mg/l
Alkyl borate	EC 50 (Water flea (<i>Daphnia magna</i>), 48 h): 5.7 mg/l NOEC (Water Flea (<i>Daphnia Magna</i>), 21 d): 1.9 mg/l

Toxicity to Aquatic Plants

Mineral oil	EC 50 (Algae (<i>Pseudokirchneriella subcapitata</i>), 72 h): > 100 mg/l NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 72 h): >= 100 mg/l
Mineral oil	EC 50 (Algae (<i>Pseudokirchneriella subcapitata</i>), 72 h): > 100 mg/l NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 72 h): >= 100 mg/l
Mineral oil	EC 50 (Green algae (<i>Scenedesmus quadricauda</i>), 3 Days): > 100 mg/l
Alkaryl amine	EC 50 (Green algae (<i>Selenastrum capricornutum</i>), 3 d): 600 mg/l
Alkyl borate	EC 50 (Green algae (<i>Selenastrum capricornutum</i>), 72 h): 21 mg/l NOEC (Green algae (<i>Selenastrum capricornutum</i>), 72 h): 5.2 mg/l

Toxicity to soil dwelling organisms

No data available

Sediment Toxicity

No data available

Toxicity to Terrestrial Plants

No data available

Toxicity to Above-Ground Organisms

No data available

Toxicity to microorganisms

Alkaryl amine	EC 50 (Sludge, 0.1 d): > 1,000 mg/l
Alkyl borate	EC 50 (Bacteria, 0.1 Days): 230 mg/l

Persistence and Degradability

Biodegradation

Mineral oil	OECD TG 301 F, 31 %, 28 d, Not readily degradable.
Mineral oil	OECD TG 301 F, 31 %, 28 d, Not readily degradable.
Mineral oil	OECD TG 301 B, 31 %, 28 d, Not readily degradable.
Alkaryl amine	OECD TG 301 B, 0 %, 28 d, Not readily degradable.
Alkyl borate	OECD TG 301 B, 74 %, 28 d, Readily biodegradable

Bioaccumulative potential

Bioconcentration Factor (BCF)

No data available

Partition Coefficient n-octanol / water (log Kow)

Alkaryl amine	Log Kow: > 7 Experimental result, Weight of Evidence study
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Mobility: No data available

Other adverse effects No data available

13 Disposal considerations

Waste treatment methods

General information: none

Disposal methods: This product falls under Industrial Waste based on Wastes Disposal and Public Cleansing Law. Dispose of in accordance with this law and local regulations. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging: Container packaging may exhibit hazards.

14 Transport information

IATA
Not regulated.

IMDG
Not regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code
None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

15 Regulatory information

PRTR and Promotion of Chemical Management Law, new regulated substances (Cabinet Order No. 356, 2008):

Specified Class 1 substance(s):	Not applicable	
Class 1 Substance(s):	Polyolefin amide alkeneamine (cabinet order no 405)	1.50%
Class 2 Substance(s):	Not applicable	

Industrial Safety and Health Law:

Article 57 Regulated Substance(s) subject to labeling:	Mineral oil	80% - 90%
	Mineral oil	1% - 10%
	Mineral oil	1% - 10%
	Mineral oil	1% - 10%

Article 57-2 Regulated Substance(s):	Mineral oil	80% - 90%
	Mineral oil	1% - 10%
	Mineral oil	1% - 10%
	Mineral oil	1% - 10%

Japan. ISHL Class 1 Organic Solvents:	Not applicable
Japan. ISHL Class 2 Organic Solvents:	Not applicable
Japan. ISHL Class 3 Organic Solvents:	Not applicable

Poisonous and Deleterious Substances Control Law:

Specified poisonous substance(s):	
Main law:	Not applicable
Cabinet order	Not applicable

Poisonous Substance(s):	
Main law:	Not applicable
Cabinet order	Not applicable

Deleterious Substance(s):	
Main law:	Not applicable
Cabinet order	Not applicable

Fire Service Law: Flammable liquids - Class 4, Group 4 oils

Inventory Status

Australia (AICS)

A component(s) of this product has been notified and assessed under the Industrial Chemicals (Notification and Assessment) Act, 1989. This product may be imported only by designated legal entities.

Canada (DSL/NDSL)

All substances contained in this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List (DSL) or are exempt.

China (IECSC)

This product contains a substance or polymer that has been notified and is restricted to import by the notifier.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

All components are in compliance in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)

This product contains a substance or polymer that has been notified and is restricted to import by the notifier.

Switzerland (SWISS)

All substances contained in this product are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland and approved for sale. However, third party importers must be notified to the manufacturer.

Taiwan (TCSCA)

This product contains a substance or polymer that has been notified and is restricted to import by the notifier.

United States (TSCA)

All substances contained in this product are listed on the TSCA inventory or are exempt.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

16 Other Information

Other Information: Contact supplier (see Section 1)

Issue Date: 2020/06/21

Disclaimer: As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.