



SAFETY DATA SHEET

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

Product Name: Idemitsu Racing Engine Oil Full Synthetic
5W-40

Revision Date: 23-Oct-2020

Product Code: TEMP 275

Revision Number: 1

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

1.1 Product identifier

Product Name: Idemitsu Racing Engine Oil Full Synthetic 5W-40

Other means of identification

Product Code: TEMP 275

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: sds@ilacorp.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
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2.2 Label elements



Signal word

Warning

Hazard Statements

H361 - Suspected of damaging fertility or the unborn child

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

Hazards not otherwise classified (HNOC)

Not applicable

2.3 Other information

Other hazards

Harmful to aquatic life with long lasting effects
Harmful to aquatic life

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)	

			Acute Tox. 4 (H312) Reproductive 2 (H361) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
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Non-Hazardous Components

Chemical name	CAS-No	weight-%
Lubricating Base Stocks	Mixture	50-60
Synthetic Lubricant	Mixture	30-40

4. FIRST AID MEASURES

4.1 First Aid Measures

- General Advice** If symptoms persist, call a physician. Take a copy of the Safety Data Sheet when going for medical treatment.
- Skin Contact** 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.
- Eye Contact** 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.
- Inhalation** 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 unconscious place in recovery position and seek medical advice. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
- Ingestion** 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.
- Protection of First-aiders** 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

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

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.

Maximum Handling Temperature

< 60°C / 140°F

Maximum Storage Temperature

< 60°C / 140°F

Technical measures/Precautions

Ensure adequate ventilation. Sulfur compounds in this material may decompose when heated to release hydrogen sulfide gas which may accumulate to potentially lethal concentrations in enclosed air spaces. Vapor concentrations of hydrogen sulfide above 50 ppm, or prolonged exposure at lower concentrations, may saturate human odor perceptions so that the smell of gas may not be apparent. Exposure to concentrations of hydrogen sulfide vapor above 500 ppm may cause rapid death. Do not rely on the sense of smell to detect hydrogen sulfide.

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
Hydrogen sulfide	Ceiling: 20 ppm	STEL: 5 ppm TWA: 1 ppm	5 ppm				
Oil mist, mineral	TWA: 5 mg/m ³	TWA: 5 mg/m ³		TWA 5 mg/m ³ ST 10 mg/m ³			

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	> 100 °C / > 212 °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	0.85 g/cm ³ @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 = 80.97 cSt; @ 100C = 13.30 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 may produce hydrogen sulfide and other sulfur-containing gases at temperatures greater than 150F.

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

Component Information

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

12.1 Ecotoxicity

Ecotoxicity effects 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.

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

TSCA	All ingredients are on the inventory or exempt from listing		
DSL/NDSL	All ingredients are on the inventory or exempt from listing There are ingredients listed on the NDSL Inventory List		
Chemical name	NDSL	CAS-No	weight-%
Phenol, (tetrapropenyl) derivs., calcium salts	X	132752-19-3	<0.1
Phenol, (tetrapropenyl) derivs.	X	74499-35-7	<0.1
EINECS	All ingredients are on the inventory or exempt from listing		
ENCS	All ingredients are on the inventory or exempt from listing		
IECSC	All ingredients are on the inventory or exempt from listing		
KECL	All ingredients are on the inventory or exempt from listing		
PICCS	All ingredients are on the inventory or exempt from listing		
AICS	All ingredients are on the inventory or exempt from listing		
NZIoC	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

Acute health hazard	Reproductive Toxicity
Chronic Health Hazard	Reproductive Toxicity
Fire hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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	
Cyclohexane	110-82-7	<0.01	RQ 1000lb final RQ RQ 454kg final RQ	
Nickel	7440-02-0	<0.0001	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

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)
Phosphorodithioic acid, mixed O,O-bis(sec-butyl and 1,3-dimethylbutyl) esters, zinc salts	68784-31-6	<1	X
Zinc alkyl dithiophosphate	68649-42-3	<1	X

Cyclohexane	110-82-7	<0.01	X
Nickel	7440-02-0	<0.0001	X

State Regulations

California Proposition 65

Label:



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

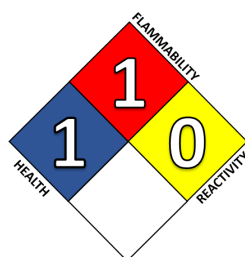
Chemical name	CAS-No	weight-%	California Prop. 65	Maximum Allowable Dose for Reproductive Toxicity (MADLS)	Safe Harbor Limits for Cancer-causing Chemicals (NSRLs)
Ethylene glycol	107-21-1	<0.1	Developmental	8700µg/dayoral;ingested	
Nickel	7440-02-0	<0.0001	Carcinogen		

State Right-to-Know

Chemical name	CAS-No	weight-%	New Jersey
Aryl polyolefin	132983-38-1	1-5	X

Chemical name	CAS-No	weight-%	Pennsylvania
Aryl polyolefin	132983-38-1	1-5	X

16. OTHER INFORMATION



NFPA

Health hazards: 1

Flammability: 1

Instability: 0

Prepared By: Aaron Keck

Revision Date: 23-Oct-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