

Inhalation	When symptoms occur: go into open air and ventilate suspected area. Keep patient warm and at rest.
Ingestion	Rinse mouth. Do not induce vomiting. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms	Causes skin irritation. May cause central nervous system effects. May be fatal if swallowed and enters airways. Inhalation may cause headache, dizziness, nausea, vomiting and malaise. May cause skin redness, irritation or swelling. May cause slight eye irritation. Ingestion may cause nausea, vomiting and abdominal pain.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Specific Hazards Arising from the Chemical

Combustible liquid and vapor.

Hazardous Combustion Products Carbon oxides. Metal oxide/oxides. Fumes and smoke.

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. Cool exposed containers with water to prevent rupturing. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Evacuate unnecessary personnel. Refer to protective measures listed in sections 7 and 8.
Environmental Precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Clean-Up	Soak up with inert absorbent material. Do not use combustible materials, such as saw dust. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Ensure adequate ventilation, especially in confined areas. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Remove all sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Workers should wash hands and face before eating, drinking and smoking. After handling, always wash hands thoroughly with soap and water.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from direct sunlight. Keep containers closed when not in use. Store away from heat, sparks or open flame. Store away from sources of ignition.

Incompatible Materials

Oxidizers. Reducing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary metal oxide	TWA: 1 mg/m ³ respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	-

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Use safety glasses or chemical splash goggles. Wear safety glasses, chemical goggles when splashing is possible, when dealing with this material. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard.

Skin and Body Protection

If anticipated that prolonged & repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR SS 1910.138, the appropriate standards of Canada, or the EC member states.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State
Appearance
Color

Liquid
Clear, colorless liquid
Colorless

Odor
Odor Threshold

Perfume Vanilla
Not determined

Property

Values

Remarks • Method

pH	5	
Melting Point/Freezing Point	No data available	
Boiling Point/Boiling Range	146 °C / 294.8 °F	
Flash Point	74.4 °C / 166 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	No data available	
Flammability (Solid, Gas)	Liquid-not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	No data available	
Vapor Density	Not data available	
Specific Gravity	1.128 @ 25°C	
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	No data available	
Auto-ignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	442 cSt	@ 25°C (LVT, 2, 30 rpm)
Dynamic Viscosity	499 cP	@ 25 deg C (Brookfield)
Explosive Properties	Not an explosive	
Oxidizing Properties	Not determined	
VOC Content	VOC exempt for consumer goods applications	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Extremes of temperature and direct sunlight. Heat, sparks & open flame. Ignition sources.

Incompatible Materials

Oxidizers. Reducing agent.

Hazardous Decomposition Products

Carbon oxides. Metal oxides. Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Causes skin irritation.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary metal oxide	> 5000 mg/kg (Rat)	-	-
Petroleum Distillates, Hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Solvent naphtha (petroleum), heavy aliphatic 64742-96-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity Not classified.

STOT - single exposure May cause drowsiness or dizziness.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum Distillates, Hydrotreated light 64742-47-8		45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 2.2: 96 h Lepomis macrochirus mg/L LC50 static		4720: 96 h Daphnia magna mg/L LC50

Persistence/Degradability

Not established.

Bioaccumulation

Not established.

Mobility

No information available

Other Adverse Effects

Avoid release to the environment

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

<u>Note</u>	Single or combination packagings of marine pollutants containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to declaration as such under IATA DGR Special Provision A197, IMDG Code 2.10.2.7 and 49 CFR 171.4(c).
<u>DOT</u>	Not regulated
<u>IATA</u>	See note above
<u>IMDG</u>	See note above

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary metal oxide	Present	X		Present		Present	X	Present	X	X
Solvent naphtha (petroleum), heavy aliphatic	Present	X		Present			X	Present	X	X
Petroleum Distillates, Hydrotreated light	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Proprietary metal oxide -		30-60	1.0

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary metal oxide	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

Issue Date: 03-Mar-2016
 Revision Date: 03-Mar-2016
 Revision Note: New format

Disclaimer

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End of Safety Data Sheet