

Elements in Lubricating Oil

SDS Number:

Revision Date: 6/1/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ASI Standards
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Oak Ridge North, TX 77385

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Product Name: Elements in Lubricating Oil
Revision Date: 6/1/2015
Version: 1
Product Code: EMO1-4E

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Health, Aspiration hazard, 1

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H304 - May be fatal if swallowed and enters airways

GHS Precautionary Statements:

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

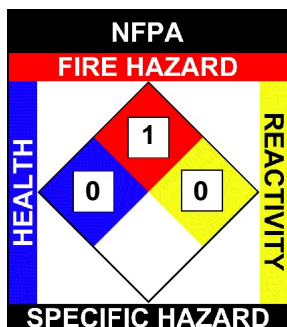
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NFPA: Health = 0, Fire = 1, Reactivity = 0, Specific Hazard = n/a



3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
0	0-5%	Proprietary Solution (Stabilizers)
8042-47-5	90-95%	Mineral oil
0	0-0.500%	Bromine Compound
0	0-1.000%	Chlorine Compound
0	0-0.500%	Fluorine compound
0	0-0.600%	Sulfur Compound

4 FIRST AID MEASURES

Inhalation:	Supply fresh air; consult doctor in case of complaints
Skin Contact:	Immediately wash with water and soap and rinse thoroughly
Eye Contact:	Rinse opened eye for several minutes under running water
Ingestion:	Rinse mouth. Do not induce vomiting. Seek immediate medical advice

5 FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:
Use fire fighting measures that suit the environment

Special Hazards Arising from the Substance or Mixture:
Formation of toxic gases is possible during heating or in case of fire

Protective Equipment:
Wear self-contained respiratory protective device

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Wear protective clothing.

Environmental Precautions:
Do not allow to enter sewers/surface or ground water

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

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HANDLING AND STORAGE

Handling Precautions: Ensure good ventilation/exhaustion at the workplace.
Store in a cool, dry place in tightly closed receptacles.
Prevent formation of aerosols.

Storage Requirements: Store in a cool location.
Store only in the original receptacle.
Keep container in a well-ventilated place.
Keep away from sources of ignition and heat.
Store away from foodstuffs.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal Protective Equipment: Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of Hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.
Material of Gloves: Nitrile rubber, NBR
Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection:
Safety Glasses

General Protective and Hygienic Measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless	Odor:	Odorless
Physical State:	Oily Liquid	Solubility:	Not miscible or difficult to mix in water
Odor Threshold:	Not determined	Flash Point:	115°C (239°F)
Boiling Point:	218°C (424°F)	Bulk Density:	0.86176 g/cm ³ @ 20°C (68°F) (7.191 lbs/
pH:	Not determined	Auto-Ignition Temp:	Product is not selfigniting

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STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Chemical Stability: Stable under normal conditions

Conditions to Avoid: Formation of toxic gases is possible during heating or in case of fire; Heat

Materials to Avoid: Strong oxidizing agents

Hazardous Decomposition: Formation of toxic gases is possible during heating or in case of fire

Hazardous Polymerization: No dangerous reactions known

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TOXICOLOGICAL INFORMATION

Information on toxicological effects:

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May be fatal if swallowed and enters airways

Acute Toxicity:

LD/LC50 values that are relevant for classification:

8042-47-5 Mineral Oil

Oral LD50 >5000mg/kg (Rat)

Primary irritant effect:

on the skin: No irritant effect

on the eye: No irritant effect

Sensitization: No sensitizing effects known

Additional Toxicological information:

The product show the following dangers according to internally approved calculation methods for preparations

Carcinogenic Categories:

IARC (International Agency for Research on Cancer): None of the ingredients are listed

NTP (National Toxicology Program): None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed

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ECOLOGICAL INFORMATION

Toxicity:

Aquatic Toxicity: No further relevant information available

Persistence and Degradability: No further relevant information available

Behavior in environmental systems:

Bioaccumulative Potential: No further relevant information available

Mobility in Soil: No further relevant information available

Additional Ecological Information:

General Notes: Water Hazard Class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

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DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. DO not allow product to reach sewage system.

Uncleaned Packagings:

Recommendation: Dispose in accordance with national regulations.

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TRANSPORT INFORMATION

Not Regulated as Dangerous Goods by any Agencies.

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Proprietary Solution (Stabilizers) (0) [0-5%] TSCA

Mineral oil (8042-47-5) [90-95%] TSCA

Bromine Compound (0) [0-0.500%] TSCA

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Chlorine Compound (0) [0-1.000%] TSCA

Fluorine compound (0) [0-0.500%] TSCA

Sulfur Compound (0) [0-0.600%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

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OTHER INFORMATION

The information in this SDS pertains only to the product as shipped.

This information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.