

Safety Data Sheet

Section 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: H1 General Purpose Machine Gear Oil

Product Description: Industrial gear oil

Intended Use: Machine Lubricant

COMPANY IDENTIFICATION

Manufacturer: Natoli Engineering Company, Inc.
28 Research Park Circle
Saint Charles, MO 63304 USA

Telephone 636.926.8900

Fax 636.926.8910

Website www.natoli.com

Emergency phone number 800-424-9300 CHEMTREC

Section 2

HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not classified under GHS.

Signal Word: None

Precautionary statement(s): Do not eat, drink or smoke while using this product. Do not ingest.

Hazard statement(s): This material is not considered hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Primary Entry Routes: Routes of entry for liquids include eye and skin contact, ingestion and inhalation.

Section 3

COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Reportable Hazardous Substance(s) or Complex Substance(s)

Ingredient Name	CAS Number	TLV (ACGIH)	Concentration Range
Mineral Oil	8042-47-5	5 mg/m3 (oil mist)	

Any concentration shown as a range is to protect confidentiality or due to batch variations.

Section 4

FIRST-AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water, lifting upper and lower eyelids. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists.

Ingestion: Rinse mouth and give water to dilute. Get medical attention if symptoms occur.

Inhalation: If adverse effects occur, remove to uncontaminated area. Get medical attention if symptoms persist.

Signs and Symptoms of Exposure:

Eye contact: May cause eye irritation.

Skin contact: May be an irritant to sensitive individuals

Ingestion: May be irritating to mouth, throat and stomach.

Inhalation: No known effects or critical hazards.

Medical Conditions Aggravated by Long-Term Exposure: N/A

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Section 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog. A water spray may be used to keep fire-exposed containers and surroundings cool.

Inappropriate Extinguishing Media: Do not use streams of water as this will scatter the liquid and spread the fire.

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Firefighters should use standard equipment and in enclosed spaces wear NIOSH/MSHA approved self-contained breathing apparatus (SUBA). Use water spray to cool fire-exposed surfaces and to protect personnel.

Unusual Fire Hazards: None

Hazardous Combustion Products: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other toxic gases.

FLAMMABILITY PROPERTIES

Flash Point: >450°F , COC

Flammable Limits: LEL: 0.9 UEL: 7.0

Autoignition Temperature: N/D

Section 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment including respiratory protection, eye protection and chemical resistant gloves. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures: Keep unauthorized personnel away. Move containers from spill area. Avoid entry into waterways and sewers basements or confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering.

Containment/Clean-up Measures: Stop leak if you can without risk. All equipment used when handling the product must be grounded. Absorb or cover with dry earth, sand or other non-combustible material to transfer to containers. Use clean non-sparking tools to collect absorbed material.

Section 7 HANDLING & STORAGE

Precautions to Be Taken in Handling and Storing: Store in original container out of direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Keep containers tightly closed and sealed until ready for use. Do not store in open, unlabeled or mislabeled containers.
DO NOT EAT, DRINK, OR SMOKE IN WORK AREA.

Other Precautions: Do not use welding or cutting torch on or near drum even when empty. If improperly reused for other product, it could ignite. If welding over the product, in a post operation process, allow adequate ventilation in compliance with emission standards.

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Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection (Specify type): Avoid breathing mist. If ventilation is inadequate, use a NIOSH/MSHA certified respirator that will protect against dust/mist.

Ventilation

Local Exhaust: Adequate

Mechanical (General): Control airborne concentrations below the exposure guidelines.

Protective Gloves: None required; however, use of protective gloves(neoprene) is good industrial practice.

Eye Protection: For splash protection; Safety glasses or face shield.

Other Protective Clothing/Equipment: N/E

Work / Hygienic Practices: Wash hands thoroughly after use.

Section 9 PHYSICAL PROPERTIES

Appearance: Colorless, oily liquid

Odor: Odorless

pH: N/A

Boiling Point: N/A

Vapor Pressure (mm Hg.): < 0.01 mmHg @ 20°C (68°F)

Vapor Density (Air=1): >1

Specific Gravity: 0.87 @ 25°C (77°F)

Melting Point: N/A

Freezing Point: N/A

Flash Point: >450°F, COC

Evaporation Rate: N/A

Water Solubility: Insoluble

Section 10 STABILITY and REACTIVITY

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Incompatibilities (Materials to avoid): Strong oxidizing agents, strong acids

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid excessive heat and open flames.

Section 11 TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Eye contact: Direct eye contact may cause irritation.

Skin contact: May be an irritant to sensitive individuals

Ingestion: May be irritating to mouth, throat and stomach.

Inhalation: No known effects or critical hazards.

SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Oil mist: Repeated exposure to levels of oil mists in excess of the exposure limits may result in accumulation of oil droplets in pulmonary tissue and may lead to irritation of the nose and throat. No adverse health effect is expected to occur at or below the exposure limits. No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

Section 12 ECOLOGICAL INFORMATION

Ecotoxicity (aquatic & terrestrial): N/E

Persistence and Degradability: N/E

Bioaccumulative Potential: N/E

Mobility in Soil: N/E

Other Adverse Effects: Ecological testing has not been conducted on this product.

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Section 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal of this product and should at all time comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and used products via a licensed waste disposal contractor. Empty containers should be disposed of according to all applicable federal, state, and local regulations, or sent to a qualified reconditioner. Do not use welding or cutting torch on or near drum even when empty.

Section 14 TRANSPORT INFORMATION

UN Number	Not Regulated
UN Proper Shipping Name	Non-flammable Compound
Transport Hazard Class(es)	N/A
Packing Group	N/A
Special Precautions	None

Section 15 REGULATORY INFORMATION

US Federal Regulations

CERCLA Sections 102A/103 Hazardous Substances: Not reportable.

SARA Title III Section 302 Extremely Hazardous Substances: Not regulated.

SARA Title III Sections 311/312 Hazardous Categorization: None

SARA Title III Section 313: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

U.S. Inventory (TSCA): Listed on inventory. All components comply with TSCA.

OSHA Hazard Communication Standard: Listed by ACGIH. Listed by OSHA.

FOOD CONTACT STATUS:

FDA: This product is approved for use by the FDA under the following sections of 21 CFR Part 178.3570 as a component of nonfood articles in contact with food when used in accordance with the specifications of this subpart.

USDA: H1 Status: This product is acceptable to the USDA as a lubricant with incidental food contact for use in official meat and poultry establishments.

Section 16 OTHER INFORMATION

Issue Date: 03-01-2015

Reversion Date:

HMIS rating:	Health: 0	NFPA ratings:	Health: 0
	Flammability: 1		Flammability: 1
	Physical hazard: 0		Instability: 0
	Personal Protection: A		Special:

N/E = Not Established N/A = Not Applicable N/D = Not Determined

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