

Safety Data Sheet



**Section 1: Identification**

**Product Name** Hasco Precision 2645

**Relevant identified uses of the substance or mixture**

**Recommended use** MetalWorking Fluid

**Details of the supplier of the safety data sheet**

**Manufacturer** Hasco Oil Company Inc.  
 2800 Temple Ave  
 Long Beach, CA 90806  
 United States  
 www.hascooil.com

**Telephone (General)** (562) 595-8491

**Emergency telephone number**

**Manufacturer** (800) 424-9300 - Chemtrec USA

**Section 2: Hazard Identification**

**UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**Classification of the mixture**

**UN GHS** Skin Irritation 2  
 Eye Irritation 2A  
 Aspiration 1

**Label elements**

**UN GHS Signal Word:**

**UN GHS Hazard Symbol(s):**

**DANGER**



**UN GHS Hazard Statement(s):** Causes skin irritation  
 Causes serious eye irritation  
 May be fatal if swallowed and enters airways.

**Precautionary Statements**

**Prevention** Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If on skin: Wash with plenty of soap and water.  
 If skin irritation occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 If swallowed: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.  
 Take off contaminated clothing and wash before reuse.

**Storage/Disposal** Store locked up. Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

**Other hazards**

**UN GHS** None known

**Other information**

**NFPA**



**Section 3 - Composition/Information on Ingredients**

**Mixtures**

Composition		
Chemical Name	Identifiers	%
Hydrotreated light Naphthenic oil	CAS: 64742-53-6	5% TO 15%
Alkylaminoalcohol	CAS: 111-75-1	2% to 10%

**Section 4: First-Aid Measures**

**Description of first aid measures**

**Inhalation** Mists and vapors formed from heated solutions may be irritating and cause coughing and discomfort in the nose, throat and chest. Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin** Remove contaminated clothing and wash skin with soap and water. Wash clothing before reuse.

**Eye** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention promptly.

**Ingestion** Signs and symptoms may include pain or discomfort in the mouth, chest and abdomen, nausea, vomiting, diarrhea, dizziness, drowsiness, faintness, weakness, collapse and coma. Call a physician.

**Most important symptoms and effects, both acute and delayed**

May cause slight skin and eye irritation. Harmful if swallowed.

**Indication of any immediate medical attention and special treatment needed**

The hazards of this material are mainly due to its irritant properties on the skin and mucosal surfaces. There is no specific antidote and treatment should be directed at the control of symptoms and the clinical condition.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** In case of fire, use water fog, foam, dry chemicals, or carbon dioxide.

**Unsuitable Extinguishing Media** Do not use water jet.

**Firefighting Procedures** No actions shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire- exposed containers cool. Keep unauthorized personnel away.

### Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** No data available.

**Hazardous Combustion Products** Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxide.

**Advice for firefighters** For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self-contained breathing apparatus should be worn. Fire fighters should wear complete protective clothing.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Stay upwind and away for spill / release. Avoid direct contact with liquid and vapors. Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment. Follow all fire fighting procedures.

**Emergency Procedures** As an immediate precautionary measure, isolate spill or leak area in all directions. Keep unauthorized personnel away.

### Environmental precautions

Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures** If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** Avoid contact with skin and clothing. Avoid contact with eyes. Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Wash thoroughly after handling. Do not use or store near heat or open flame.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed. Keep container in a cool, well ventilated area. Empty containers may contain harmful and / or combustible vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

**Section 8 - Exposure Controls/Personal Protection**

**Control parameters**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEEL (15 min)</b>
Hydrotreated light Naphthenic oil	5 mg/m <sup>3</sup>	No data available
Alkylaminoalcohol	No data available	No data available

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEEL (15 min)</b>
Hydrotreated light Naphthenic oil	5 mg/m <sup>3</sup> (inhalable fraction)	No data available
Alkylaminoalcohol	No data available	No data available

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEEL</b>
Hydrotreated light Naphthenic oil	5 mg/m <sup>3</sup> (inhalable fraction)	10 mg/m <sup>3</sup> (inhalable fraction)
Alkylaminoalcohol	No data available	No data available

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is suggested at points where vapors can be expected to escape to the workplace air.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of eye protection, such as monogoggles, that meets or exceeds ANSI Z.87.1 is recommended to protect against potential eye contact, irritation, or injury.

**Skin and Hand protection:** The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Suggested protective materials: PVC coated or butyl gloves.

**Respiratory protection:** Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator may be used.

A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health (IDLH).

**Other:** Eye wash and quick-drench shower facilities should be available in the work area. Chemical aprons should be used. Thoroughly clean shoes and wash contaminated clothing before reuse.

**Thermal hazards:** No data available.

**Section 9 - Physical and Chemical Properties**

**Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Liquid
Color	Clear Amber.	Odor	Mild Smell
Taste	Not relevant	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Not relevant	Physical and Chemical Properties	Not relevant
<b>General Properties</b>			
Boiling Point	212 F	Melting Point	No Data Available
Decomposition Temperature	No Data Available	Heat of Decomposition	No Data Available
pH	~9.4 @ 20:1	Specific Gravity/Relative Density	~ 1.00 @ 60 F(15.5 C)
Density	~ 8.33 lbs/gal @ 77 F(25 C)	Bulk Density	No Data Available
Water Solubility	Soluble	Solvent Solubility	No Data Available
Viscosity	No Data Available	Explosive Properties	No Data Available
Oxidizing Properties:	No Data Available		
<b>Volatility</b>			
Vapor Pressure	No Data Available	Vapor Density	No Data Available
Evaporation Rate	No Data Available	VOC (Wt.)	No Data Available
VOC (Vol.)	No Data Available	Volatiles (Wt.)	No Data Available
Flash Point	No Data Available	UEL	No Data Available
LEL	No Data Available	Autoignition	No Data Available
Self-Accelerating Decomposition Temperature (SADT)	No Data Available	Heat of Combustion ( $\Delta H_c$ )	No Data Available
Burning Time	No Data Available	Flame Height	No Data Available
Flame Extension	No Data Available	Ignition Distance	No Data Available
Flame Duration	No Data Available	Flammability (solid, gas)	No Data Available
<b>Environmental</b>			
Half-Life	Not relevant	Octanol/Water Partition coefficient	Not relevant
Coefficient of water/oil distribution	Not relevant	Bioaccumulation Factor	Not relevant
Bioconcentration Factor	Not relevant	Biochemical Oxygen Demand BOD/BOD5	Not relevant
Chemical Oxygen Demand	Not relevant	Persistence	Not relevant

**Section 10: Stability and Reactivity**

**Reactivity:** Not chemically reactive.

**Chemical stability:** Stable under normal ambient and anticipated conditions of use.

**Possibility of hazardous reactions:** Hazardous polymerization not indicated.

**Conditions to avoid:** No Data Available

**Incompatible materials:** Avoid contamination with strong acids, strong bases, strong oxidizing agents, aldehydes, ketones, acrylates, organic anhydrides and organic halides

**Hazardous decomposition Products:** Burning can produce carbon dioxide, carbon monoxide, and nitrogen oxides.

## Section 11 - Toxicological Information

### Information on likely routes of exposure:

<b>Inhalation:</b>	Unlikely to be harmful
<b>Ingestion:</b>	Unlikely to be harmful
<b>Skin:</b>	Unlikely to be harmful

### Symptoms related to the physical, chemical, and toxicological characteristics:

None known.

### Delayed and immediate effects and chronic effects from short or long-term exposure:

None known.

### Acute toxicity:

#### Ingredient Information:

Substance	Test Type (species)	Value
Hydrotreated light Naphthenic oil	LD <sub>50</sub> Oral (Rat)	>5000 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	>2000 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	No data available
Alkylaminoalcohol	LD <sub>50</sub> Oral (Rat)	1150 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	No data available
	LC <sub>50</sub> Inhalation (Rat)	No data available

#### Product Acute Toxicity Estimates:

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

#### Skin corrosion/irritation:

Brief contact may cause minimal irritation, seen as mild local redness. Prolonged contact, as with clothing wetted with the material, may cause more severe irritation seen as local redness and swelling. .

#### Serious eye damage/eye irritation:

May cause irritation, seen as excess redness and swelling of the conjunctiva.

#### Respiratory sensitization:

No information available.

#### Skin sensitization:

No information available.

#### Germ cell mutagenicity:

No information available on the mixture, however none of the components have been classified for Germ cell mutagenicity (or are below the concentration threshold for classification).

#### Carcinogenicity:

No information available on the mixture, however none of the components have been classified for carcinogenicity (or are below the concentration threshold for classification).

**Reproductive toxicity:**

No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Single exposure:**

Not expected to cause organ effects from single exposure.

**Specific target organ toxicity-  
Repeat exposure:**

Not expected to cause organ effects from repeated exposure.

**Aspiration hazard:**

May be fatal if swallowed and enters airways.

GHS Properties	Classification
Acute toxicity	UN GHS•
Aspiration Hazard	UN GHS• Aspiration 1
Carcinogenicity	UN GHS•
Germ Cell Mutagenicity	UN GHS•
Skin corrosion/Irritation	UN GHS• Skin Irritation 2
Skin sensitization	UN GHS•
STOT-RE	UN GHS•
STOT-SE	UN GHS•
Toxicity for Reproduction	UN GHS•
Respiratory sensitization	UN GHS•
Serious eye damage/Irritation	UN GHS• Serious Eye Damage 2A

**Section 12 - Ecological Information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Hydrotreated light Naphthenic oil	NOELR LL50	Fish	NOEL --> 1000 mg/l (14d) LL50 > 100 mg/L (96h)
	NOEL LL50	Invertebrate	NOEL 10 mg/L (21d) LL50 > 10000 mg/L (24h)
	NOEL	Algae	NOEL >= 100 mg/L (72h)
Alkylaminoalcohol	LC50	Fish	LC50 - 4482 mg/l (14d)
	LC50	Invertebrate Daphnid	LC50 – 22.5 mg/l (48h)
	EC50	Green Algae	EC50 – 23.9 mg/l (96h)

**Toxicity:** No data available.  
**Persistence and Degradability:** No data available.  
**Bioaccumulative Potential:** No data available.  
**Mobility in Soil:** No data available.  
**Other adverse effects:** None anticipated.

**Section 13 - Disposal Considerations**

**Waste treatment methods**

**Product waste** Avoid contact of spilled material with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

**Packaging waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Section 14 - Transport Information**

	UN number	UN proper shipping	Transport hazard class (es)	Packing group	Environmental hazards
DOT		Not Regulated			
IMO/IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

**Special precautions for user** No data available  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 No data available

**Section 15 - Regulatory Information**

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are listed, as required, on the TSCA inventory.

**Section 313 Toxic Release Inventory (40 CFR 372):**  
 None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986:** No components are listed on Prop 65.

**Massachusetts Right to Know:** Hydrotreated light Naphthenic oil is listed on the Massachusetts Right to Know List.



**New Jersey Right to Know:** Hydrotreated light Naphthenic oil (as Petroleum Oil) and Alkylaminoalcohol are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** Hydrotreated light Naphthenic oil (as Transformer Oil) and Alkylaminoalcohol are listed on the Pennsylvania Right to Know List.

**Rhode Island Hazardous Substance List:** Hydrotreated light Naphthenic oil (as Transformer Oil) is listed on the Rhode Island Hazardous Substance List.

**Canada WHMIS Hazard Class:** D2B - Toxic materials.

**Section 16 - Other Information**

**Last Revision Date** February 25, 2016

**Revision:** 1

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