



# SAFETY DATA SHEET

Revision Date 05-Jan-2018

Revision Number 1

*This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.*

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

### GHS product identifier

Product Name WS 5050

### Other means of identification

UN-Number UN3082

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Heavy-duty water-soluble oil

Uses advised against No information available

### Supplier's details

#### **Initial Supplier**

ITW Permatex Canada  
1-35 Brownridge Road  
Halton Hills, ON, L7G 0C6  
Canada  
TEL: 1-800-452-5823

#### **Supplier Address**

ITW Fluids North America  
3650 West Lake Avenue  
Glenview, IL 60026  
TEL: 1-800-452-5823

### Emergency telephone number

Emergency Telephone Number CHEMTREC: 1-800-424-9300 for US/ 703-527-3887 outside US

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Skin Sensitization	Category 1
Flammable liquids	Category 4

### Label Elements

**Signal Word**

Warning

**Hazard Statements**

May cause an allergic skin reaction  
Combustible liquid.

**Physical and Health Hazards Not Otherwise Classified**

Not applicable.

**Precautionary Statements****Prevention**

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- None

**Skin**

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

**Fire**

- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage**

- Store in a well-ventilated place. Keep cool.

**Disposal**

- None

**Other information**

Toxic to aquatic life with long lasting effects.

**Unknown acute toxicity**

12% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	54.41	-	-
Chloroalkanes	61788-76-9	9.02	-	-
Polyethylene glycol monooleyl ether	9004-98-2	5.01	-	-
Tall oil fatty acids diisopropanolamide	-	4.42	-	-
2-(2-Aminoethoxy)ethanol	929-06-6	4.40298	-	-
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	1.5075	-	-

Diisopropanolamine	110-97-4	1-5	-	-
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#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

##### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** Hives, Rashes.

##### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** May cause sensitization by skin contact.

#### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b><u>Unsuitable Extinguishing Media</u></b>	None
<b><u>Specific Hazards Arising from the Chemical</u></b>	May burn if exposed to high temperature. Use water spray to cool unopened containers.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b><u>Protective Equipment and Precautions for Firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

##### Environmental Precautions

**Environmental Precautions** See Section 12 for additional Ecological Information. Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage.

##### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

#### 7. HANDLING AND STORAGE

##### Precautions for safe handling

**Handling** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Products** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Protective gloves.  
**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.

**Hygiene Measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid.	<b>Appearance</b>	Dark blue.
<b>Odor</b>	Characteristic.	<b>Odor Threshold</b>	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>		at 10%
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F	None known
<b>Flash Point</b>	> 93 °C / > 200 °F	PMCC
<b>Evaporation rate</b>	> 0.1	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	< 1	None known
<b>Vapor Density</b>	Heavier than air	None known
<b>Relative Density</b>	No data available	None known
<b>Specific Gravity</b>	0.98	None known
<b>Water Solubility</b>	Emulsifies	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known

<b>Viscosity</b>	No data available	None known
<b>Flammable Properties</b>	Not flammable	
<b>Explosive Properties</b>	No data available	
<b>Oxidizing Properties</b>	No data available	
<b>Other information</b>		
<b>VOC Content (%)</b>	No data available	
<b>VOC (g/l)</b>	92.82 g/l in concentrate	

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	High temperatures.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides, Hydrocarbons, Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	There is no data available for this product
<b>Inhalation</b>	There is no data available for this product.
<b>Eye Contact</b>	There is no data available for this product.
<b>Skin Contact</b>	May cause sensitization by skin contact.
<b>Ingestion</b>	There is no data available for this product.

### Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

<b>LD50 Oral</b>	5030 mg/kg; Acute toxicity estimate
<b>LD50 Dermal</b>	4518 mg/kg; Acute toxicity estimate
<b>Inhalation</b>	No information available
<b>Unknown acute toxicity</b>	12% of the mixture consists of ingredient(s) of unknown toxicity.
Acute Oral Toxicity	82.68052% of the mixture consists of ingredient(s) of unknown acute oral toxicity
Acute Dermal Toxicity	84.18802% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
Acute Inhalation (dust/mist) Toxicity	88.591% of the mixture consists of ingredient(s) of unknown acute inhalation (dust/mist) toxicity
Acute Inhalation (vapor) Toxicity	88.591% of the mixture consists of ingredient(s) of unknown acute inhalation (vapor) toxicity
Acute Inhalation (gas) Toxicity	88.591% of the mixture consists of ingredient(s) of unknown acute inhalation (gas) toxicity

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated heavy naphthenic	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Polyethylene glycol monooleyl ether	= 2700 mg/kg ( Rat )	-	-
2-(2-Aminoethoxy)ethanol	= 3 g/kg ( Rat )	= 1190 µL/kg ( Rabbit )	-
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	= 763 mg/kg ( Rat )	-	-
Diisopropanolamine	= 4765 mg/kg ( Rat )	= 8000 mg/kg ( Rabbit )	-
Polyethylene-polypropylene glycol	= 5700 mg/kg ( Rat ) = 16 g/kg ( Rat )	-	-
Octamethylcyclotetrasiloxane	> 4800 mg/kg ( Rat )	> 2400 mg/kg ( Rat ) > 4640 mg/kg	= 36 g/m <sup>3</sup> ( Rat ) 4 h

		(Rabbit)	
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### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Rash Itching.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Respiratory or Skin Sensitization** May cause sensitization by skin contact.  
**Germ Cell Mutagenicity** No information available  
**Carcinogenicity** The classification listed below for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy naphthenic	A2	Group 1	Known	X
Chloroalkanes		Group 2B		X

#### ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

#### IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

#### NTP: (National Toxicity Program)

Known - Known Carcinogen

#### OSHA: (Occupational Safety & Health Administration)

X - Present

**Reproductive Toxicity** No information available  
**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available  
**Aspiration Hazard** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
2-(2-Aminoethoxy)ethanol 929-06-6	EC50 72 h: = 160 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 460 mg/L static (Leuciscus idus)	EC50 = 110 mg/L 17 h	EC50 48 h: = 190 mg/L (Daphnia magna)
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Diisopropanolamine 110-97-4	EC50 72 h: = 270 mg/L (Desmodesmus subspicatus)	LC50 96 h: 1000 - 2200 mg/L static (Brachydanio rerio) LC50 96 h: 1000 - 2200 mg/L static (Leuciscus idus)		EC50 48 h: = 277.7 mg/L (Daphnia magna Straus)
Octamethylcyclotetrasiloxane 556-67-2		LC50 96 h: > 1000 mg/L (Lepomis macrochirus) LC50 96 h: > 500 mg/L (Brachydanio rerio)		EC50 24 h: = 25.2 mg/L (Daphnia magna)

**Persistence and Degradability** No information available

**Bioaccumulation** No information available

Chemical Name	Log Pow
Diisopropanolamine	-0.79

**Mobility** No information available

**Other Adverse Effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). Dispose of in accordance with local regulations.

**Contaminated Packaging** Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

#### DOT

**UN-Number** UN3082  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,(Chloroalkanes) 9, III, MARINE POLLUTANT  
**Emergency Response Guide Number** 171

#### TDG

**UN-Number** UN3082  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,(Chloroalkanes) 9, III, MARINE POLLUTANT

#### MEX

**UN-Number** UN3082  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,(Chloroalkanes) 9, III, MARINE POLLUTANT

### 15. REGULATORY INFORMATION

#### International Regulations

**Ozone depleting substances** Not applicable  
**Persistent Organic Pollutants** Not applicable  
**Hazardous Waste** Not applicable  
**The Rotterdam Convention (Prior Informed Consent)** Not applicable  
**International Convention for the Prevention of Pollution from Ships (MARPOL)** Not applicable

#### International Inventories

Contact supplier for inventory compliance status

TSCA Complies  
 DSL Complies

### U.S. Federal Regulations

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 Hazard Categories

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

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Petroleum distillates, hydrotreated heavy naphthenic				X	
2-(2-Aminoethoxy)ethanol	X	X			

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

### 16. OTHER INFORMATION

**NFPA** Health Hazard 2 Flammability 1 Instability 0 Physical and Chemical Hazards -

**HMIS** Health Hazard 2\* Flammability 1 Physical Hazard 0 Personal Protection X

\*Indicates a chronic health hazard.

**Prepared By** Product Stewardship  
 23 British American Blvd.  
 Latham, NY 12110  
 1-800-572-6501

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**Revision Note** New subformat.

#### General 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



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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**