

# SAFETY DATA SHEET

Print date: 05/15/2018

Revision Date: 08/04/2017

Revision Number: 1

## 1. IDENTIFICATION

### Product identifier

**Product Name:** KOOL 100 Metalworking Fluid

**Product code:**

### Other means of identification

**Synonyms** No information available

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

**Recommended Use** Metal Working Fluid, Coolant

**Uses advised against** For industrial use only

### Details

#### Initial

GP Chemicals Specialty Ltd.  
65 Beckett Avenue, Holland Landing,  
ON. L9N 1R8  
905-731-3622

### Emergency

GP Chemicals Specialty: 905-731-3622(Mon-Fri: 8am-5pm, English Only)

24 Hour Transportation Emergencies - CANUTEC 1-888-226-8832

## 2. HAZARD IDENTIFICATION

### GHS Classification

Classification is in accordance with the Canadian Hazardous Products Regulation

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Effects on or via lactation	Yes

### Label Elements

#### **DANGER**

#### **Hazard statements**

Causes skin irritation

Causes serious eye damage

May cause harm to breast-fed children

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not breathe dust/fume/gas/mist/vapors/spray  
Avoid contact during pregnancy and while nursing  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see First Aid)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor

**Skin**

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse

**Other Information**

Toxic to aquatic life with long lasting effects  
Toxic to aquatic life

**Unknown acute toxicity**

69.84 % of the mixture consists of ingredient(s) of unknown toxicity  
13.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
27.74 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
64.36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
69.84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
69.84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Alkanes, C14-16, Chloro	63449-39-8	5 - 10 %
Monoisopropanolamine	78-96-6	1 - 5 %
Soybean oil, methyl esters	67784-80-9	1 - 5 %
Amine salt	26038-87-9	1 - 5 %
Polyoxyalkylene C8-C10 Ether	68603-25-8	1 - 5 %
Amine Salt	10049-36-2	1 - 5 %
Phosphoric acid, isotridecyl ester	52933-07-0	1 - 5 %
Alcohols, C12-16, ethoxylated propoxylated	68213-24-1	1 - 5 %
Dicyclohexylamine	101-83-7	0.1 - 1 %

Prescribed concentration ranges have been used. The actual concentration or concentration range is withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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

**Symptoms** May cause redness and tearing of the eyes. Causes skin irritation (pain, redness and swelling).

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

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	Do not allow run-off from fire-fighting to enter drains or water courses.

<b>Hazardous combustion products</b>	Carbon oxides, Nitrogen oxides (nox).
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**                      Ensure adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protective equipment. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

### Environmental precautions

**Environmental precautions**              Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

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

**Methods for cleaning 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.

**Prevention of secondary hazards**        Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Advice on safe handling**                  Handle in accordance with good industrial hygiene and safety practice. Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions**                        Store at room temperature in the original container.

**Incompatible Products**                  Strong oxidizing agents, Strong acids, Strong bases

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS

#### **Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate Engineering Controls**

**Engineering controls** Ensure adequate ventilation. Provide easy access to eyewash/safety shower facilities.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear chemical-resistant gloves as appropriate for the risk of exposure. Contact your safety department for specific recommendations.

**Skin and body protection** Wear protective clothing and appropriate footwear necessary for the risk of exposure. Contact your health and safety department for specific recommendations.

**Respiratory protection** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, respiratory protection may be required. Contact your site safety representative for proper respirator selection.

**General hygiene considerations** Handle in accordance with sound chemical hygiene practices. Wear the appropriate PPE. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke while using chemicals.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Amber
<b>Odor</b>	Mild, Pleasant
<b>Odor Threshold</b>	No information available
<b>pH concentrate:</b>	No information available
<b>pH Dilution</b>	9.7 @ 5%
<b>Melting/freezing point</b>	< 0 °C / 32 °F
<b>Boiling Point/Range</b>	> 100 °C / 212 °F
<b>Flash Point</b>	No information available
<b>Method</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limits in Air upper flammability limit</b>	No information available

lower flammability limit	No information available
VOC Content	15.85%
VOC Content Product (lb/gal)	1.2839
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity (g/cc, 15 C)	0.985
Bulk Density (lb/gal, 15 C)	8.22
Water Solubility	Completely soluble
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	80 cSt @ 40° C (104° F)
Dynamic viscosity	No information available
Molecular Weight	No information available

## 10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal use conditions.
Hazardous Polymerization	No information available.
Conditions to Avoid	None known.
Incompatible Materials	Strong oxidizing agents, strong acids, and strong bases.
Hazardous Decomposition Products	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Inhalation	May cause irritation of respiratory tract.
Eye contact	Causes serious eye damage.
Skin contact	Causes skin irritation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Additional information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes. Causes skin irritation (pain, redness and swelling).

**Numerical measures of toxicity**

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

**ATEmix (oral)** 9,813.00 mg/kg

**ATEmix (dermal)** 13,799.00 mg/kg

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Alkanes, C14-16, Chloro 63449-39-8	> 21500 µL/kg ( Rat ) Oral LD50 Rat >21500 µL/kg (Source: NLM_CIP)	-	-
Monoisopropanolamine 78-96-6	= 1715 mg/kg ( Rat ) Oral LD50 Rat 1715 mg/kg (Source: NLM_CIP)	-	-
Soybean oil, methyl esters 67784-80-9	-	-	-
Amine salt 26038-87-9	-	-	-
Polyoxyalkylene C8-C10 Ether 68603-25-8	-	-	-
Amine Salt 10049-36-2	-	-	-
Phosphoric acid, isotridecyl ester 52933-07-0	-	-	-
Alcohols, C12-16, ethoxylated propoxylated 68213-24-1	-	-	-
Dicyclohexylamine 101-83-7	= 373 mg/kg ( Rat ) Oral LD50 Rat 373 mg/kg (Source: NLM_CIP)	-	-

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

**Skin corrosion/irritation** Irritating to skin.

**Serious eye damage/eye irritation** Risk of serious damage to eyes.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as carcinogenic.

Chemical Name	ACGIH	IARC Carcinogens	NTP	OSHA
Alkanes, C14-16, Chloro 63449-39-8	Not listed	Group 2B	Not listed	Not listed
Monoisopropanolamine 78-96-6	Not listed	Not listed	Not listed	Not listed
Soybean oil, methyl esters 67784-80-9	Not listed	Not listed	Not listed	Not listed

Amine salt 26038-87-9	Not listed	Not listed	Not listed	Not listed
Polyoxyalkylene C8-C10 Ether 68603-25-8	Not listed	Not listed	Not listed	Not listed
Amine Salt 10049-36-2	Not listed	Not listed	Not listed	Not listed
Phosphoric acid, isotridecyl ester 52933-07-0	Not listed	Not listed	Not listed	Not listed
Alcohols, C12-16, ethoxylated propoxylated 68213-24-1	Not listed	Not listed	Not listed	Not listed
Dicyclohexylamine 101-83-7	Not listed	Not listed	Not listed	Not listed

**Legend****IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

<b>Reproductive toxicity</b>	May cause harm to breastfed babies.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	Based on viscosity and/or components, not expected to be an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** The environmental impact of this product has not been fully investigated. Harmful to aquatic life with long lasting effects. (based on components).

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Alkanes, C14-16, Chloro 63449-39-8	-	300: 96 h Lepomis macrochirus mg/L LC50 static 0.0109: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 94.5 - 271: 96 h Oncorhynchus mykiss mg/L LC50 static 0.1: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	-
Monoisopropanolamine 78-96-6	23: 72 h Desmodemus subspicatus mg/L EC50	2390 - 2650: 96 h Pimephales promelas mg/L LC50 flow-through	108.82: 48 h Daphnia magna Straus mg/L EC50
Soybean oil, methyl esters 67784-80-9	-	-	-
Amine salt 26038-87-9	-	-	-
Polyoxyalkylene C8-C10 Ether 68603-25-8	-	-	-
Amine Salt	-	-	-



10049-36-2			
Phosphoric acid, isotridecyl ester 52933-07-0	-	-	-
Alcohols, C12-16, ethoxylated propoxylated 68213-24-1	-	-	-
Dicyclohexylamine 101-83-7	-	62: 96 h Brachydanio rerio mg/L LC50 static	-

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Bioconcentration factor:** No information available

#### Component Information

Chemical Name	Octanol/water partition coefficient
Alkanes, C14-16, Chloro - 63449-39-8	>6
Monoisopropanolamine - 78-96-6	-0.94
Soybean oil, methyl esters - 67784-80-9	-
Amine salt - 26038-87-9	-
Polyoxyalkylene C8-C10 Ether - 68603-25-8	-
Amine Salt - 10049-36-2	-
Phosphoric acid, isotridecyl ester - 52933-07-0	-
Alcohols, C12-16, ethoxylated propoxylated - 68213-24-1	-
Dicyclohexylamine - 101-83-7	3.5

**Mobility:** No information available.

**Other Adverse Effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. TRANSPORT INFORMATION

#### TDG (CANADA):

**Proper shipping name:** Not regulated

#### U. S. DEPARTMENT OF TRANSPORTATION:

**Proper shipping name:** Not regulated

#### IMDG/IMO:

**UN nr:** UN3082  
**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s (Alkanes, C14-16, chloro)  
**Class:** 9  
**Packing group:** III  
**EMS:** F-A, S-F

Limited quantity: 5 L  
 Marine pollutant: Marine Pollutant

**IATA/ICAO:**

UN nr: UN3082  
 Proper shipping name: Environmentally hazardous substance, liquid, n.o.s (Alkanes, C14-16, chloro)  
 Hazard Class: 9  
 Packing group: III  
 Maximum quantity for cargo only: 450 L  
 Maximum quantity for passenger: 450 L  
 Limited quantity: 30 kg G  
 Marine pollutant: Marine Pollutant

### 15. REGULATORY INFORMATION

Chemical Name	CEPA Schedule I	Challenge Substances
Alkanes, C14-16, Chloro 63449-39-8	Not listed	Not listed
Monoisopropanolamine 78-96-6	Not listed	Not listed
Soybean oil, methyl esters 67784-80-9	Not listed	Not listed
Amine salt 26038-87-9	Not listed	Not listed
Polyoxyalkylene C8-C10 Ether 68603-25-8	Not listed	Not listed
Amine Salt 10049-36-2	Not listed	Not listed
Phosphoric acid, isotridecyl ester 52933-07-0	Not listed	Not listed
Alcohols, C12-16, ethoxylated propoxylated 68213-24-1	Not listed	Not listed
Dicyclohexylamine 101-83-7	Not listed	Not listed

**INVENTORY STATUS:**

Canada DSL/NDSL Inventory List

This product complies with DSL

United States TSCA Inventory:

This product complies with TSCA

### 16. OTHER INFORMATION

**Sources of key data used to compile the data sheet:** Material safety data sheets of the ingredients.

Prepared by: Safety, Health and Environmental Department  
 Revision Date: 08/04/2017  
 Reason for revision: New Format

**Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.**

**Disclaimer**

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental

regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

**End of Safety Data Sheet**