

## SAFETY DATA SHEET



Date Prepared : 08/04/2014

SDS No : Metsol 525

Date Revised : 01/19/2015

Revision No : 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT FORMULATION NAME:** Metsol 525  
**CHEMICAL FAMILY:** Water Soluble Metalworking Fluid

**MANUFACTURER**

Metalloid Corporation  
1160 White St  
Sturgis, MI 49091

**Emergency Contact:** Robert Kowalski

**Emergency Phone:** 800-686-3201

**E-Mail:** b.kowalski@metalloidcorp.com

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**Poison Control Center (Medical) :** (877) 800-5553

**CHEMTREC (US Transportation) :** (800) 424-9300

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Aspiration Hazard, Category 1

**GHS LABEL**

Health  
hazard

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H304: May be fatal if swallowed and enters airways.

**PRECAUTIONARY STATEMENTS****Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

**Response:**

P331: Do NOT induce vomiting.

P270: Do not eat, drink or smoke when using this product.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

**Disposal:**

P501: Dispose of contents/container in accordance with Local/State/Federal regulations

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact may cause eye irritation.

**SKIN:** Repeated or prolonged contact may cause skin irritation or dermatitis

**INGESTION:** May cause nausea, vomiting and abdominal pain

**INHALATION:** May cause respiratory irritation

**MEDICAL CONDITIONS AGGRAVATED:** May aggravate skin irritation/dermatitis

**ROUTES OF ENTRY:** Eyes, Skin

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Metsol 525

Chemical Name	Wt.%	CAS
Distillates, Petroleum, Hydrotreated Heavy Naphthenic	55 - 70	64742-52-5

#### 4. FIRST AID MEASURES

**EYES:** Flush immediately with cool, clean water for at least 15 minutes. If irritation persists, contact a physician

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If large quantities are ingested, contact a physician

**INHALATION:** Move person to fresh air; if effects occur, consult a physician.

**NOTES TO PHYSICIAN:** Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

#### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam

**HAZARDOUS COMBUSTION PRODUCTS:** Can include carbon oxides, sulfur oxides and hydrogen chloride.

**FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection.

**FIRE FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with an inert material and place in an appropriate waste disposal container.

**LARGE SPILL:** Treat like an oil spill. Stop spill at the source. Dike area of spill to prevent spreading. Pump liquid into salvage container. Recover product if possible. Remaining liquid can be taken up with absorbent material and placed into appropriate containers.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep away from flame, sparks and hot liquid. Keep container closed when not in use. Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Do not transfer to unlabeled container.

**HANDLING:** This product contains amines. Do not add nitrite or other nitrosating agents to this product due to the potential for nitrosamine formation.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses or splash goggles when eye contact may occur.

**SKIN:** Oil resistant gloves recommended.

**RESPIRATORY:** Not normally needed. If significant mists, vapors or aerosols are generated an approved respirator is recommended.

**WORK HYGIENIC PRACTICES:** Use good hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

**OTHER USE PRECAUTIONS:** If there is a likelihood of splashing, an oil resistant apron should be worn to prevent clothing contamination. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Keep an eyewash fountain available. Keep a safety shower available.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mineral Oil Odor

**APPEARANCE:** Liquid

**COLOR:** Amber

**FLASH POINT AND METHOD:** > (300°F) Closed Cup

**VAPOR DENSITY:** > 1 Air=1

**BOILING POINT:** > (200°F) at 760 mm HG

Metsol 525

**SOLUBILITY IN WATER:** Complete**SPECIFIC GRAVITY:** 0.95 at (70°F)**10. STABILITY AND REACTIVITY****HAZARDOUS POLYMERIZATION:** Will not occur**STABILITY:** Stable under normal conditions**CONDITIONS TO AVOID:** Sources of ignition**HAZARDOUS DECOMPOSITION PRODUCTS:** Products of combustion can include carbon oxides, sulfur oxides and hydrogen chloride.**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Strong acids.**11. TOXICOLOGICAL INFORMATION****COMMENTS:** No specific toxicological data is available.**12. ECOLOGICAL INFORMATION****COMMENTS:** No specific ecological data is available for this product.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Dispose of according to Local, State and Federal regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Do not flush to drain/storm sewer.**EMPTY CONTAINER:** Empty container retains product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition. Recondition or dispose of empty container in accordance with government regulations.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****OTHER SHIPPING INFORMATION:** This product is not considered hazardous according to DOT**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****TITLE III NOTES:** This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** This product does not contain any RQs or TPQs under this regulation.**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Distillates, Petroleum, Hydrotreated Heavy Naphthenic	64742-52-5

**TSCA REGULATORY:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30**16. OTHER INFORMATION****APPROVED BY:** Robert Kowalski    **TITLE:** Vice President of Research and Development**PREPARED BY:** Alissa Simon    **Date Revised:** 01/19/2015**INFORMATION CONTACT:** 1-800-686-3201**REVISION SUMMARY:** This SDS replaces the 01/19/2015 SDS. Revised: **Section 2:** ROUTES OF ENTRY. **Section 5:** FIRE FIGHTING EQUIPMENT. **Section 8:** ENGINEERING CONTROLS. **Section 10:** STABLE. **Section 15:** CERCLA REGULATORY.

Metsol 525

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>B</b>

**GENERAL STATEMENTS:** This information is for use of the purchaser only. This document should not be given to any outside organization without expressed consent from Metalloid Corporation.

**MANUFACTURER DISCLAIMER:** This product's safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.