

SAFETY DATA SHEET



Date Prepared : 11/04/2014
SDS No : Metkleen 2150

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Metkleen 2150
CHEMICAL FAMILY: Caustic Cleaner

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:**

Acute Toxicity (Oral), Category 4

Skin Corrosion, Category 1A

Eye Corrosion, Category 1

Physical:

Corrosive to Metals, Category 1

GHS LABEL

Exclamation mark
Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS**Prevention:**

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P331: Do NOT induce vomiting.

Storage:

P404: Store in a closed container.

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Disposal:

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

EMERGENCY OVERVIEW**IMMEDIATE CONCERNS:** This product is a very corrosive liquid with a high pH. May cause eye and skin irritation and/or burns. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.**POTENTIAL HEALTH EFFECTS****EYES:** Contact causes severe eye irritation.**SKIN:** Contact causes severe skin irritation and possible burns.**INGESTION:** May cause severe irritation and injury to the mouth, throat and digestive tract**INHALATION:** May cause damage to nasal and respiratory passages**MEDICAL CONDITIONS AGGRAVATED:** May aggravate skin irritation/dermatitis**ROUTES OF ENTRY:** Eyes, Skin**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name | Wt.% | CAS |
|---------------------|---------|-----------|
| Potassium Hydroxide | 20 - 25 | 1310-58-3 |

COMMENTS: Components are non hazardous as defined by OSHA Hazard Communication Rule 29 CFR 1910.1200 and not listed due to trade secrets**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:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or 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.**ADDITIONAL INFORMATION:** Product is corrosive.**5. FIRE FIGHTING MEASURES****GENERAL HAZARD:** Product will not burn.**EXTINGUISHING MEDIA:** Product will not burn.**HAZARDOUS COMBUSTION PRODUCTS:** None**HAZARDOUS DECOMPOSITION PRODUCTS:** None**6. ACCIDENTAL RELEASE MEASURES****SMALL SPILL:** Absorb with an inert material and place in an appropriate waste disposal container.**LARGE SPILL:** Stop spill at the source. Pump liquid to 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 container closed when not in use**HANDLING:** 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. Store indoors.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****ENGINEERING CONTROLS:** General room ventilation should be sufficient.**PERSONAL PROTECTIVE EQUIPMENT****EYES AND FACE:** Face Shield or chemical resistant goggles must be worn. Ensure that eyewash stations and safety showers are close to the workstation location.

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SKIN: Caustic resistant gloves recommended.**RESPIRATORY:** Respirator approved for caustic material**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:** Mild odor**APPEARANCE:** Liquid**COLOR:** Dark Amber**FLASH POINT AND METHOD:** None**BOILING POINT:** > (200°F)**SOLUBILITY IN WATER:** Complete**SPECIFIC GRAVITY:** 1.03 H₂O=1 at (70°F)**10. STABILITY AND REACTIVITY****HAZARDOUS POLYMERIZATION:** Will not occur**STABILITY:** Stable under normal conditions**CONDITIONS TO AVOID:** None known.**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions will not occur under normal transport or storage conditions.**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:** In accordance with local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal. Empty containers retain product residue and may be hazardous.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Postassium Hydroxide solution**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** 1814**PACKING GROUP:** II**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)**

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| Chemical Name | Wt.% | CERCLA RQ |
|---------------------|---------|-----------|
| Potassium Hydroxide | 20 - 25 | 1,000 |

TSCA (TOXIC SUBSTANCE CONTROL ACT)

| Chemical Name | CAS |
|---------------------|-----------|
| Potassium Hydroxide | 1310-58-3 |

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 Prepared:** 11/04/2014

INFORMATION CONTACT: 1-800-686-3201

HMIS RATING

| | | |
|----------------------------|--------------------------|----------|
| HEALTH | <input type="checkbox"/> | 3 |
| FLAMMABILITY | <input type="checkbox"/> | 0 |
| PHYSICAL HAZARD | <input type="checkbox"/> | 1 |
| PERSONAL PROTECTION | <input type="checkbox"/> | D |

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.