

SAFETY DATA SHEET



Date Prepared : 07/08/2014
 SDS No : Metkleen 2140
 Date Revised : 05/13/2015
 Revision No : 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Metkleen 2140
CHEMICAL FAMILY: 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:**

Corrosive to Metals, Category 1
 Skin Irritation, Category 2
 Serious Eye Damage, Category 2
 Acute Toxicity (Dermal), Category 4
 Acute Toxicity (Inhalation), Category 4
 Acute Toxicity (Oral), Category 4

GHS LABEL

Corrosion Exclamation
 mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H319: Causes serious eye irritation.
 H316: Causes mild skin irritation.
 H290: May be corrosive to metals.
 H332: Harmful if inhaled.
 H312: Harmful in contact with skin.
 H302: Harmful if swallowed.

PRECAUTIONARY STATEMENTS**Prevention:**

P270: Do not eat, drink or smoke when using this product.
 P264: Wash thoroughly after handling.
 P262: Do not get in eyes, on skin, or on clothing.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

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.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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Storage:

P404: Store in a closed container.

Disposal:

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

POTENTIAL HEALTH EFFECTS**EYES:** Contact causes severe 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**

Chemical Name	Wt. %	CAS
Silicic Acid (h ₂ sio ₃), Disodium Salt	< 5	6834-92-0
2- Butoxyethanol	> 10	111-76-2
Nonylphenol (branched), Ethoxylated	1 - 10	127087-87-0

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.**5. FIRE FIGHTING MEASURES****EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam**HAZARDOUS COMBUSTION PRODUCTS:** Can include carbon oxides**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:** 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**

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2- Butoxyethanol	TWA	50	240	20	97	NL	NL
	STEL					NL	NL

ENGINEERING CONTROLS: General room ventilation should be sufficient.

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: Pine

APPEARANCE: Liquid

COLOR: Bright Yellow

PERCENT VOLATILE: NA = Not Applicable

BOILING POINT: > (200°F) at 760 mm HG

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: ~ 1 water=1

SPECIFIC GRAVITY: ~ 1.1 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.

HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion can include carbon oxides.

INCOMPATIBLE MATERIALS: Strong oxidizing agents. Strong acids.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

Chemical Name	IARC Status
2- Butoxyethanol	3

COMMENTS: No specific toxicological data is available.

12. ECOLOGICAL INFORMATION

COMMENTS: No specific ecological data is available for this product.

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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: None

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: Not Hazardous

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
Silicic Acid (h2sio3), Disodium Salt	6834-92-0
2- Butoxyethanol	111-76-2
Nonylphenol (branched), Ethoxylated	127087-87-0

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:** 05/13/2015

INFORMATION CONTACT: 1-800-686-3201

REVISION SUMMARY: This SDS replaces the 01/26/2015 SDS. Revised: **Section 16:** HMIS RATING - PERSONAL PROTECTION.

HMIS RATING

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