

SAFETY DATA SHEET



Date Prepared : 08/04/2014
SDS No : Metkleen 2120

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Metkleen 2120
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:

Acute Toxicity (Oral), Category 4
Corrosive to Metals, Category 1
Skin Corrosion, Category 1B
Skin Irritation, Category 2
Eye Irritation, Category 2

GHS LABEL



Corrosion



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H302: Harmful if swallowed.

PRECAUTIONARY STATEMENTS

Prevention:

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

P262: Do not get in eyes, on skin, or on clothing.

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

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

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.

P337+P313: If eye irritation persists: Get medical advice/attention.

P310: Immediately call a POISON CENTER/doctor/...

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

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: Inhalation, Skin absorption, Skin Contact, Eye Contact, Ingestion

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Potassium Hydroxide	2.52	1310-58-3
Nonylphenol (branched), Ethoxylated	≥ 3.88	127087-87-0
Ethoxylated Alkyl Amine	2.99	61791-14-8
2- Butoxyethanol	4	111-76-2
Benzenesulfonic Acid, 4-methyl-	~ 2.256	104-15-4
Sodium Dodecylbenzene Sulfonate	0.117 - 0.1209	25155-30-0
Phosphoric Acid	0.605 - 1.045	7664-38-2

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and discard contaminated shoes.

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.

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 an unlabeled container.

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
Benzenesulfonic Acid, 4-methyl-	TWA					NL	NL
	STEL					NL	NL
Sodium Dodecylbenzene Sulfonate	TWA					NL	NL
	STEL					NL	NL
Phosphoric Acid	TWA		1		1	NL	NL
	STEL				3	NL	NL

ENGINEERING CONTROLS: General room ventilation should be sufficient. If mists are present, provide adequate ventilation to control level below PEL.

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.

SKIN: When prolonged or frequently repeated contact should occur, use protective clothing chemically resistant to this material. Selection of specific items such as faceshield, boots, apron or full-body suit will depend on the task.

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

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Specific Gravity
Ethoxylated Alkyl Amine	300			
Phosphoric Acid	11	22	33	44

ODOR: Mild odor

APPEARANCE: Liquid

COLOR: Clear light amber

BOILING POINT: > (200°F) at 760 mm HG

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: 1 water=1

SPECIFIC GRAVITY: 1.06 at (70°F)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: None known.

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HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion can include carbon oxides.**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Strong acids.**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD ₅₀
Ethoxylated Alkyl Amine	750

CARCINOGENICITY

Chemical Name	IARC Status	General Toxicity
2- Butoxyethanol	3	
Phosphoric Acid		None known.

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 containers have same safety concerns as full drum**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****OTHER SHIPPING INFORMATION:** This product is not considered hazardous according to DOT**15. REGULATORY INFORMATION****UNITED STATES****CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Potassium Hydroxide	2.52	1,000
Sodium Dodecylbenzene Sulfonate	0.117 - 0.1209	1,000
Phosphoric Acid	0.605 - 1.045	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Potassium Hydroxide	1310-58-3
Nonylphenol (branched), Ethoxylated	127087-87-0
Ethoxylated Alkyl Amine	61791-14-8
2- Butoxyethanol	111-76-2
Benzenesulfonic Acid, 4-methyl-	104-15-4
Sodium Dodecylbenzene Sulfonate	25155-30-0
Phosphoric Acid	7664-38-2

16. OTHER INFORMATION**APPROVED BY:** Robert Kowalski **TITLE:** Vice President of Research and Development**PREPARED BY:** Alissa Simon **Date Prepared:** 08/04/2014

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INFORMATION CONTACT: 1-800-686-3201**HMIS RATING**

HEALTH	1	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		C

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.