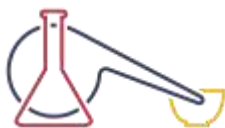


S A F E T Y D A T A S H E E T



Madison Chemical Co., Inc.

3141 Clifty Drive • Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

COLDTERGE AL

TYPE:

Alkaline cleaner

PRODUCT #

255002

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

CHEMTREC 800-424-9300 24-Hour Service
Company Offices: 812-273-6000 Weekdays

PREPARED DATE:

09-12-2019

PREPARED BY:

Natalie Green

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Acute Toxicity, Oral	Category 5	H303
	Skin Corrosion/Irritation	Category 1B	H314
	Serious Eye Damage/Eye Irritation	Category 1	H318
	Specific Target Organ Toxicity	Category 2	H373
	Aquatic Toxicity (Acute)	Category 3	H402

Signal Word

WARNING

Symbol



Hazard Statements

H303 May be harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H373 May cause damage to organs (liver and kidney, narcotic effects) through prolonged or repeated exposure.
H402 Harmful to aquatic life.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash hands, forearms, and exposed areas thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear eye protection, face protection, protective clothing, protective gloves.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304 + P340 IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P321 Specific treatment (see Section 4).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents / container according to local, regional, national and international regulations.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>SYNONYM</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
Sodium metasilicate	None	6834-92-0	20 – 30
2-butoxyethanol	EGBE, Butyl cellosolve Ethylene glycol monobutyl ether	111-76-2	1 – 10
C9-C15 Cycloalkanes	Hydrotreated light distillate	Mixture	1 – 10

If Chemical Name/CAS No is "proprietary" and/or % By Weight is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES:	Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician.
SKIN:	Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.
INGESTION:	Do NOT induce vomiting. Give water. Call a physician. DO NOT give anything by mouth if the person is unconscious or if having convulsions.
INHALATION:	Move subject to fresh air and get medical attention.
PRIMARY ROUTE(S) OF ENTRY:	Eyes, skin.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

EYE CONTACT:	Contacted areas may exhibit irritation and can be burned if not flushed immediately.
SKIN CONTACT:	Contacted areas may exhibit irritation and can be burned if not flushed immediately.
INGESTION:	May be harmful if swallowed. May cause irritation or burns.
INHALATION:	May cause nasal and respiratory irritation.
CHRONIC SYMPTOMS:	Chronic overexposure to 2-butoxyethanol has apparently been found to cause liver and kidney injury, blood abnormalities, and gastrointestinal effects in laboratory animals.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep containers cool.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, phosphorus, phosphorus oxides, various hydrocarbons.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Wear goggles and face shield. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Shovel up solid spills. If dissolved in water, contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Do not discharge to sewers or waterways without proper treatment.

SAFETY DATA SHEET

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Store in dry area. Normal for alkaline materials. Store away from acids. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

<u>CHEMICAL IDENTITY</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Sodium metasilicate	6834-92-0	N.E.*	N.E.*
2-butoxyethanol	111-76-2	50 ppm (skin)	20 ppm
C9-C15 Cycloalkanes	Mixture	400 ppm**	400 ppm**

*Manufacturer recommends a ceiling limit of 2 mg / M³. **As Methylcyclohexane.

ENGINEERING CONTROLS:

As necessary to avoid inhalation and contact.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

In absence of proper environmental controls, use NIOSH / MSHA approved positive pressure supplied air respirator for mists where airborne exposure is excessive.

SKIN PROTECTION:

Impervious PVA gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Goggles and face shield necessary.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White, granular powder.
ODOR:	Mild.
ODOR THRESHOLD:	Not available.
pH (8 oz./gallon):	12.6 – 12.9
MELTING POINT/FREEZING POINT	Not applicable.
INITIAL BOILING POINT AND BOILING RANGE	Not available.
FLASH POINT (METHOD USED)	Not available.
EVAPORATION RATE	Not applicable.
FLAMMABILITY (SOLID, GAS)	Not available.
UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT	Not available.
VAPOR PRESSURE	Not available.
VAPOR DENSITY	Not available.
SPECIFIC GRAVITY	Not available.
SOLUBILITY IN WATER	Appreciable.
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
VISCOSITY, DYNAMIC	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VISCOSITY	Not available.

SAFETY DATA SHEET

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Hazardous reactions will not occur under normal conditions.
CHEMICAL STABILITY:	Stable under recommended handling and storage conditions (see Section 7).
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.
CONDITIONS TO AVOID:	No data found.
INCOMPATIBLE MATERIALS:	Acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide, carbon monoxide, phosphorus, phosphorus oxides, various hydrocarbons.

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY:	Not classified.
LD50 AND LC50 DATA:	Not available.
ROUTES OF EXPOSURE / SYMPTOMS	
EYES:	Contacted areas may exhibit irritation and can be burned if not flushed immediately.
SKIN:	Contacted areas may exhibit irritation and can be burned if not flushed immediately.
INGESTION:	May be harmful if swallowed. May cause irritation or burns.
INHALATION:	May cause nasal and respiratory irritation.
GERM CELL MUTAGENICITY:	Not classified.
TERATOGENICITY:	Not available.
CHRONIC EFFECTS / CARCINOGENICITY:	This material contains no ingredient above de minimus concentrations known or suspected to cause cancer. Chronic overexposure to 2-butoxyethanol has apparently been found to cause liver and kidney injury, blood abnormalities and gastrointestinal effects in laboratory animals. The injury to the liver and kidneys is believed to be secondary to red blood cell hemolysis, a known effect of 2-butoxyethanol in rodents. Humans are resistant to the hemolytic effects of 2-butoxyethanol and therefore the kidney and liver injury noted in animal studies is not considered relevant to human health hazard evaluation.
SPECIFIC TARGET ORGAN TOXICITY (Repeated exposure):	May cause damage to organs (liver, kidney, narcotic effects) through prolonged or repeated exposure
REPRODUCTIVE TOXICITY:	Not classified.
SPECIFIC TARGET ORGAN TOXICITY (Single exposure):	Not classified.
ASPIRATION HAZARD:	Not classified.
COMPONENT INFORMATION:	
Sodium metasilicate	LD50 Oral Rat: 1280 mg/kg LD50 Dermal: No data LD50 Inhalation: No data
2-butoxyethanol	LD50 Oral Rat: 560 mg/kg LD50 Dermal Rabbit: 400 mg/kg LC50 Inhalation Rat: 450 mg/l/4hr
C9-C15 Cycloalkanes	No data.

SAFETY DATA SHEET

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY The ecotoxicity of this product is not known

COMPONENT INFORMATION

Sodium metasilicate	LC50 Fish (<i>Gambusia affinis</i>):	2320 ppm/96 hr
	LC50 water fleas (<i>Daphnia magna</i>):	247 ppm/96 hr
	LC50 snail egg (<i>Lymnea</i>):	632 ppm/ 96 hr
	LC50 Amphipoda:	160 ppm/96 hr
2-butoxyethanol	LC50 Fish Inland silverside (<i>Menidia beryllina</i>):	
C9-C15 Cycloalkanes	No data.	

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL: Not available.

MOBILITY IN SOIL: Not available.

OTHER ADVERSE EFFECTS: This material contains no hazardous air pollutants (HAPS).

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD Normal for alkaline, phosphate containing wastes. May require pH adjustment for neutralization. Dispose in accordance with local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s., (contains sodium metasilicate)

HAZARD CLASS: 8

IDENTIFICATION NUMBER: UN3262

PACKING GROUP: III

EMERGENCY RESPONSE GUIDE: ERG #154

SECTION 15: REGULATORY INFORMATION

VOC: 0.06 pounds per pound (60 grams per kilogram).

TSCA STATUS All ingredients are listed on the active TSCA inventory.

CERCLA REPORTABLE QUANTITY None established.

SARA 311 / 312 HAZARD CLASSES

<input checked="" type="checkbox"/>	ACUTE HEALTH
<input type="checkbox"/>	FIRE
<input type="checkbox"/>	SUDDEN RELEASE OF PRESSURE
<input checked="" type="checkbox"/>	CHRONIC HEALTH
<input type="checkbox"/>	REACTIVE

SARA 312 INFORMATION

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME

2-butoxyethanol

CATEGORY CODE

N230

CAS NUMBER

111-76-2

% BY WEIGHT

2

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

SAFETY DATA SHEET

SECTION 16: OTHER INFORMATION

SDS STATUS: Updated sections 1, 2, 6, 8, and 16 on 09-12-19.

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN