



R.E.D.

1 Identification

GHS Product Identifier

R.E.D. Water-Based Degreaser Concentrate

Other means of identification

Item Numbers: 12-502, 12-503, 12-504, 12-505, 12-508

Recommended use of the chemical and restriction on use

All Purpose Degreaser

Supplier's details

Mark V Products 400 El Sobrante Road Corona, CA 92879 (800) 877-6282 www.mark-v.com

Emergency phone number

Chemtrec (800) 424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Skin irritation — category 3

Eye irritation — category 2b.

GHS label elements

Warning



Hazard statement(s)

H303 May be harmful if swallowed

H305 May be harmful if swallowed and enters airways

H317 May cause an allergic skin reaction

Precautionary statement(s)

General

P102 Keep out of reach of children.

P103 Read label before use.

Prevention

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

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

Response

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	IF eye irritation persists: Get medical advice/attention.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Sodium Silicate	6834-92-0		1 - 10	
Potassium Hydroxide	1310-58-3		1 - 10	
2-Butoxyethanol	111-76-2		1 - 10	

4 First-aid measures

Description of necessary first-aid measures

Inhalation:	Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing and get immediate medical attention
Skin:	Rinse with water. Remove contaminated clothing and wash before re-use.
Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing with water. Seek medical attention if irritation develops.
Ingestion:	Do not induce vomiting. If conscious, rinse mouth with water. Follow with two glasses of milk or water. Seek immediate medical attention. If spontaneous vomiting occurs, keep airway clear.

Most important symptoms/effects, acute and delayed

Product may cause drying of skin and irritate mucous membranes. Wear nitrile or rubber gloves when using product.

Indication of immediate medical attention and special treatment needed, if necessary

All treatments should be based on observed signs and symptoms of distress in the patient.

5 Fire-fighting measures

Suitable extinguishing media

CO₂, dry chemical, foam, water fog, water spray

Specific hazards arising from the chemical

Unusual Fire and Explosion

Hazards None

Hazardous Combustion

Products Combustion may produce Carbon Monoxide, CO₂, and potentially irritating fumes.

Special protective actions for fire-fighters

Wear approved SCBA with full facepiece operated in positive pressure demand mode.

Hazardous polymerization is not expected to occur.

Avoid contact with strong oxidizing agents and strong acids.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

For large spills (500 gallons or more) wear appropriate protective equipment including rubber boots, gloves, goggles and apron.

Environmental precautions

Avoid run off to waterways and storm drains

Methods and materials for containment and cleaning up

Stop leak, if you can do it without risk. Dike ahead of spill. Absorb and transfer to containers.

7 Handling and storage

Precautions for safe handling

Product is slippery. If product is spilled on floor, clean area to prevent slipping.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place. Keep away from oxidizers and strong acids.

8 Exposure controls/personal protection

Control parameters

None needed when used as directed.

Individual protection measures

Safety goggles & nitrile gloves

9 Physical and chemical properties

Physical and chemical properties

Physical Form:	Liquid	Appearance:	Dark Red liquid
Color:	Red	Odor:	Cinnamon
Taste:	Data Lacking	SG:	1.06 - 1.08
pH:	12	VOC:	< 5 grams/liter
Water Solubility:	100%	Flash Pt:	166 F

10 Stability and reactivity

Reactivity

No dangerous reactions known under conditions of normal use.

Chemical stability

Stable under normal temperatures and pressures.

Possibility of hazardous reactions

Hazardous polymerization is not expected to occur.

Conditions to avoid

High temperatures & freezing temperatures.

Incompatible materials

Oxidizing agents & strong acids.

Hazardous decomposition products

Combustion may produce Carbon Monoxide, CO₂ and potentially irritating fumes.

11 Toxicological information

Toxicological (health) effects

Sodium Metasilicate	CAS # 6834-92-0	LD50 Oral:	847 mg / kg
Sodium Hydroxide	CAS # 1310-73-2	LD50 Oral:	500 mg / kg
2-butoxyethanol	CAS # 111-76-2	LD50 Oral Guinea pig	1,400 mg / kg
		LD50 - Rat male	1,746 mg / kg
	Skin Absorption	LD50 - Rat	2,270 mg / kg
	Inhalation	LC50, 7 h Vapor Rat	700 ppm

Information on the likely routes of exposure

Exposure Routes: Inhalation, Skin Contact, Eye Contact, Ingestion

Eye Contact: May cause mild eye irritation. Symptoms including stinging, tearing and redness.

Skin Contact: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin.

Ingestion: May be harmful if swallowed. Can cause gastrointestinal irritation, nausea, vomiting & diarrhea.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation.

12 Ecological information

Toxicity

2-butoxyethanol: Toxicity to fish LC50 - *lepomis macrochirus* (Bluegill): 1,490 mg/l - 96 h. Toxicity to daphnia and other aquatic invertebrates.

13 Disposal considerations

Disposal methods

Dispose of according to local, state and federal regulations.

14 Transport information

Ground

Un Number: Not Regulated

Class:

Packing group:

Proper shipping name:

Ocean

Un Number: Not Regulated

Class:

Packing group:

Proper shipping name:

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This material does not contain any chemical componetns with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313

California Prop.65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16 Other information

Other information

Dated: February, 2022

WARNING: The information contained in this SDS is based on the data available from sources we believe to be reliable. No warranty or guaranty, expressed or implied, is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe: Read this safety information and forward it to all persons who may be exposed to this product.

17 Exposure scenarios