



# Safety Data Sheet

## SECTION 1: Identification

**Product Name** R.E.D. Water-based Degreaser Concentrate  
**Product Code** 12-50

**Recommended use** All Purpose Degreaser

**Manufacturer** Mark V Products  
400 El Sobrante Road  
Corona, CA 92879  
(951) 280-9799

**Emergency Phone #** Chemtrec (800) 424-9300

## SECTION 2: Hazard Identification

### Classification of Substan

Harmful

Health Hazards: H302 Harmful if swallowed. H315 Causes Skin Irritation.  
H319 Causes Serious Eye Irritation. H33 Harmful if inhaled.



**Exposure routes** Inhalation, Skin Absorption, Skin contact, Eye Contact, Ingestion

**Eye Contact:** Causes severe eye irritation. Symptoms include stinging, tearing, redness and blurred vision.

**Skin Contact:** Causes skin irritation. Prolonged or repeated contact will dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

**Ingestion:** Harmful if Swallowed. Can cause gastrointestinal irritation, nausea, vomiting & diarrhea. Aspiration of material into lungs may cause chemical pneumonitis.

**Inhalation:** Harmful if inhaled. Breathing large amounts may be harmful and include nasal and respiratory irritation. Symptoms are not expected at air concentrations below the recommended exposure limits.

### Label Elements

**Precautionary Statements** Harmful if Swallowed. Keep out of the reach of children

**Storage / Disposal** Dispose of according to local, regional and/or national regulations.

### HMIS

HEALTH HAZARD	2 - Moderate
FLAMMABILITY HAZARD	1 - Slight
REACTIVITY HAZARD	0 - Minimal
PERSONAL PROTECTION	n + p

## SECTION 3: Composition / Information on Ingredients

HAZARDOUS INGREDIENT	CAS NUMBER	%
Sodium Metasilicate	6834-92-0	1 - 5
Potassium Hydroxide	1310-58-3	1 - 5
2-butoxyethanol	111-76-2	1 - 5

## SECTION 4: First Aid Measures

### Description of first aid measures

Inhalation	Move Victim to fresh air. Administer oxygen if breathing is difficult. Give Artificial respiration if victim is not breathing.
Skin	Wash with soap and water. Remove contaminated clothing and wash before re-use.
Eye	Remove contact lenses if present. Rinse with water for 15 minutes. Hold eyelids apart to ensure flushing. Get medical attention.
Ingestion	Do not Induce vomiting. If conscious, give two glasses of milk or water. Get immediate medical attention. If spontaneous vomiting occurs, keep airway clear.

### Most important systems and effects, both acute and delayed

Product may dry hands with frequent and prolonged use.

### Indication of any immediate medical attention and special treatment needed

Note to Physician	All treatments should be based on observed signs and symptoms of distress in the patient.
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## SECTION 5: Fire Fighting Measures

### Extinguishing media

Suitable Extinguishing Media C02, dry chemical, foam, water fog, water spray

Unsuitable Extinguishing Media None

### Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards None

Hazardous Combustion Products Combustion may produce Carbon Monoxide, CO<sub>2</sub> and potentially irritating fumes.

### Advice for firefighters

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

## SECTION 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

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

**Emergency Procedures** Isolate spill or leak to prevent entering storm drains. Eliminate all sources of ignition such as pilot lights, emergency flares, etc.

### Environmental Precautions

Avoid run off to waterways and storm drains.

### Methods and materials for containment and clean up

**Containment / Clean up Measures** Stop leak if you can do it without risk.  
Dike ahead of liquid spill to prevent entering storm drains.  
Absorb and transfer to containers

## SECTION 7: Handling and Storage

### Precautions for safe handling

**Handling** Product is slippery. If product is spilled onto floor, clean area to prevent slipping.

### Conditions for safe storage, including any incompatibilities

**Storage** Store in a cool, dry place.

**Incompatible Materials or Ignition Sources**

Keep away from oxidizers and strong acids

## SECTION 8: Exposure Controls / Personal Protection

### Exposure Controls

#### Engineering

#### Measures / Controls

None needed when used as directed.

#### Personal Protective Equipment

Safety goggles, nitrile gloves and a plastic or rubber apron

#### General Industrial Hygiene

#### Considerations

None needed when used as directed

## SECTION 9: Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Physical Form</b>	Liquid	<b>Appearance</b>	Clear red liquid
<b>Color</b>	Red	<b>Odor</b>	None
<b>Taste</b>	Data Lacking	<b>Particulate Type</b>	N/A
<b>Particulate Size</b>	N/A	<b>Aerosol Type</b>	N/A
<b>General Properties</b>			
<b>Boiling Pt</b>	212 F	<b>Flash Point</b>	166 F
<b>pH</b>	12	<b>SG / Density</b>	1.07 - 1.08
<b>Water Solubility %</b>	100	<b>VOC</b>	< 5.0 grams / Liter

## SECTION 10: Stability and Reactivity

### Reactivity

No dangerous reaction know 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

### Hazardous Decomposition

Combustion may produce Carbon Monoxide, CO<sub>2</sub> and potentially irritating fumes

## SECTION 11: Toxicological Information

<b>Sodium Metasilicate</b>	<b>CAS # 6834-92-0</b>	LD50 - Oral: 847 mg / kg
<b>Potassium Hydroxide</b>	<b>CAS# 1310-58-3</b>	LD50 - Oral 500 mg / kg
<b>2-butoxyethanol</b>	<b>CAS# 111-76-2</b>	LD50 - Oral Guinea pig 1,400 mg/kg LD50 - Rat, male 1,746 mg/kg LD50 - Rat 2,270 mg/kg LC50, 7 h, Vapor - Ra 700 ppm
	Skin Absorption Inhalation	

## SECTION 12: Ecological Information

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

## SECTION 13: Disposal Considerations

Dispose of according to local, state and federal regulations.

## SECTION 14: Transport Information

Product is not regulated for ground or ocean transport

## SECTION 15: Regulatory Information

### 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 components 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 State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: Other Information

June 4, 2015

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