

Safety Data Sheet

SECTION 1: Identification

Product Name Hurricane
Product Code 12-30

Recommended use Degreaser for automobile, aircraft and marine use.

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 Substance Mixture

Irritant
 Corrosive



Physical Hazards: H227 Combustible Liquid

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 serious 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: Can cause gastrointestinal irritation, nausea, vomiting & diarrhea. Aspiration of material into lungs may cause chemical pneumonitis.

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

Other Information

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
Sodium Hydroxide	1310-73-2	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 and get immediate medical attention.
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 and irritate mucous membranes 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.

SECTION 5: Fire Fighting Measures

Extinguishing media

Suitable Extinguishing Media CO₂, 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, CO₂ 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. Turn off 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 and nitrile gloves

General Industrial Hygiene

Considerations

None needed when used as directed

SECTION 9: Physical and Chemical Properties

Information on Physical and Chemical Properties

Physical Form	Liquid	Appearance	Clear yellow liquid
Color	Yellow	Odor	None
Taste	Data Lacking	Particulate Type	N/A
Particulate Size	N/A	Aerosol Type	N/A

General Properties

Boiling Pt	212 F	Melting Point	Data Lacking
pH	12	SG / Density	1.07 - 1.09
Water Solubility %	100	VOC	< 20 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, CO₂ and potentially irritating fumes

SECTION 11: Toxicological Information

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 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

Shipping Number:	NA 1760
Proper Shipping Name:	Compound, Cleaning Liquid (Sodium Hydroxide)
Transport Hazard Class:	8
Packing Group:	III

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

WARNING: This information contained in this MSDS is based on the data available to us 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.