



Safety Data Sheet

SECTION 1: Identification

Product Name Bug Remover - Alaska Formula
Product Code 19 -10

Recommended use Bug remover for automobile detailing

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

Harmful



Health Hazards: H302 Harmful if swallowed, H315 Causes Skin Irritation.
 H320 Causes Eye Irritation H333 May be harmful if inhaled.

Exposure routes Eye Contact, Skin Contact, Ingestion, Inhalation

Eye Contact: Causes 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: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts 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
Ammonium Hydroxide	1336-21-6	< 1
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 will 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, 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.

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

Physical Form	Liquid	Appearance	Clear amber liquid
Color	Amber	Odor	ammonia
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	11.5 - 12.5	SG / Density	1.09 - 1.10
Water Solubility %	100	VOC	< 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, CO₂ and potentially irritating fumes

SECTION 11: Toxicological Information

Do not allow product into lakes, streams or bodies of water. Do not allow product to enter storm drains.

Sodium Metasilicate	CAS # 6834-92-0	LD50 - Oral: 847 mg / kg
Ammonium Hydroxide	CAS # 1336-21-6	LD50 - Oral, rat: >90 mL/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

Ammonium Hydroxide: 4 Hr LC50 rainbow trout: 0.008 mg/L, 96 Hr LC50 fathead minnow: 8.2 mg/L 48 Hr LC50. Very toxic to aquatic life

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

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