

# Material Safety Data Sheet

Date of Preparation: 03/31/04

**ACTION**

Revision: 06/19/13

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** ACTION

**Chemical Formula:**

**CAS Number:**

**Other Designations:**

**General Use:** AEROSOL

**Manufacturer:** MIRANDY PRODUCTS, LLC., 1078 GRAND AVENUE, S. HEMPSTEAD, NY 11550

(516) 489-6800

**HMIS**

**H #**

**F #**

**R #**

**PPE†**

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
n-Alkyl Benzyl Ammonium Chloride	68391-01-5	0.125
n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	0.125
Liquified Petroleum Gas	68476-85-7	05-10

All ingredients used to manufacture this product are listed on the TSCA chemical substance inventory.

### Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
n-Alkyl Benzyl Ammonium Chloride	N/E	N/E	N/E	N/E	N/E	N/E	N/E
n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Liquified Petroleum Gas	1000ppm	1000ppm	1000ppm	1000ppm	N/E	N/E	N/E

### Toxicity Data:

## Section 3 - Physical and Chemical Properties

#### Physical State:

**Appearance and Odor:** Clear Liquid,  
Lemon/Ammonium Scent

#### Odor Threshold:

**Vapor Pressure Of Can (psig @ 72F):** 60

**Vapor Density (Air=1):** >1

#### Formula Weight:

**Density:**

**Specific Gravity (H<sub>2</sub>O=1, at 70 °C):** 1.002

**pH:** 12.0

**Water Solubility:** Complete

**Other Solubilities:**

**Boiling Point:** 203 F

**Freezing/Melting Point:**

**Viscosity:**

**Refractive Index:**

**Surface Tension:**

**% Volatile:**

**Evaporation Rate:**

**Total VOC %:** -10%

## Section 4 - Fire-Fighting Measures

**Flash Point (Of concentrate only):** None to boiling (T.O.C)

**Flash Point Method:**

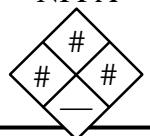
**Burning Rate:**

**Autoignition Temperature:**

**Flammability Classification:** Non-hazardous

**Extinguishing Media:**

**NFPA**



**Unusual Fire or Explosion Hazards:** Exposure to temperature above 120 F may cause bursting.

**Hazardous Combustion Products:**

**Fire-Fighting Instructions:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed container to prevent rupturing.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear self-contained breathing apparatus (SCBA) and protective clothing.

### Section 5 - Stability and Reactivity

**Stability: Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Avoid contact with strong oxidizing agents, Alkaline Oxides, Acid Anhydrides, and Halogen Esters.

**Conditions to Avoid:**

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxides.

### Section 6 - Health Hazard Information

#### Potential Health Effects

**Primary Entry Routes:**

**Target Organs:**

**Acute Effects**

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other CNS effects.

**Eye:** May cause slight irritation but does not injure eye tissue.

**Skin:** Frequent or prolonged contact may cause irritation.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Action as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

**Chronic Effects:**

#### Emergency and First Aid Procedures

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

**Eye Contact:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**Skin Contact:** Wash with soap and water. If irritation persists seek medical attention.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:**

**Special Precautions/Procedures:**

### Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. Keep sparks; heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. **Small Spills:**

**Large Spills**

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Wash area to prevent slipping. laws.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Disposal:** Dispose of soaked absorbent material in accordance with Federal, State and local.

**Disposal Regulatory Requirements:**

**Container Cleaning and Disposal:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Contact Federal, State and Local authorities for approved procedures.

**Ecological Information:**

**EPA Regulations:**

**OSHA Regulations:**

**State Regulations:**

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** None needed for proper use in accordance with label directions.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Special Precautions and Comments

**Handling Precautions:**

**Storage Requirements:** Store in cool, dry place. Do not store at temperatures over 120 F.  
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**Prepared By:****Revision Notes:**

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