1. Product and Company Identification

Product number 005-002
Product name Ace Wasp & Hornet Spray WHA
Effective date 08-Sep-2011
Company information Atlantic Chemical & Equipment Company
                      3471 Atlanta Industrial Parkway, Suite 200
                      Atlanta, GA 30331 United States
Company phone General Assistance 800-929-2436
Emergency telephone US 1-866-838-8855
Emergency telephone outside US 703-527-3887
Version # 12
Supersedes date 01-Sep-2011

2. Hazards Identification

Emergency overview Aerosol. FLAMMABLE
                      CONTENTS UNDER PRESSURE.
                      Will be easily ignited by heat, spark or flames.
Potential health effects

Routes of exposure Eye contact. Skin contact. Ingestion.

Eyes Moderately irritating to the eyes.

Skin Harmful if absorbed through the skin.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage.
                      Components of the product may be absorbed into the body by ingestion.
Target organs Lungs.

Chronic effects May cause delayed lung damage.

Signs and symptoms Discomfort in the chest. Corneal damage. Coughing. Skin irritation.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffinic, Naphthenic Solvent</td>
<td>64742-47-8</td>
<td>80-90</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>8-10</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>1-3</td>
</tr>
<tr>
<td>Non-hazardous and other components below reportable levels</td>
<td></td>
<td>1-2.5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin contact Remove and isolate contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

Ingestion If material is ingested, immediately contact a poison control center. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician Symptoms may be delayed.
5. Fire Fighting Measures

Flammable properties
Heat may cause the containers to explode. Runoff to sewer may cause fire or explosion hazard.

Extinguishing media
Suitable extinguishing media

Protection of firefighters
Protective equipment and precautions for firefighters
In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

6. Accidental Release Measures

Methods for containment
Stop leak if you can do so without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.

Methods for cleaning up
Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling
Pressurized container: Do not pierce or burn, even after use. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid contact with skin. Avoid prolonged exposure.

Storage
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH
Components | CAS # | TWA | STEL | Ceiling
--- | --- | --- | --- | ---
Isopropyl Alcohol | 67-63-0 | 200 ppm | 400 ppm | Not established
Carbon Dioxide | 124-38-9 | 5000 ppm | 30000 ppm | Not established

OSHA
Components | CAS # | TWA | STEL | Ceiling
--- | --- | --- | --- | ---
Isopropyl Alcohol | 67-63-0 | 400 ppm | Not established | Not established
Carbon Dioxide | 124-38-9 | 5000 ppm | Not established | Not established

Personal protective equipment

Eye / face protection
Do not get in eyes. Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. Physical & Chemical Properties

Appearance
Compressed liquefied gas.
10. Chemical Stability & Reactivity Information

Chemical stability: Risk of ignition.
Conditions to avoid: Heat, flames and sparks.
Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological Information

Acute effects: Acute LD50: 2237 mg/kg estimated, Rat, Dermal
Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s
Isopropyl Alcohol: 87-63-0 Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4398 m/g; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12370 mg/kg
Paraffinic, Naphthenic Solvent: 64742-47-8 Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >6000 m/kg; Dermal LD50 Rabbit >2000 mg/kg

Sensitization: Not expected to be hazardous by OSHA criteria.
Teratogenicity: Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity: Components of this product have been identified as having potential environmental concerns.
LC50 48.72 mg/L, Fish, 96.00 Hours,
IC50 11769 mg/L, Algae, 72.00 Hours,
EC50 629 mg/L, Daphnia, 48.00 Hours,

13. Disposal Considerations

Disposal instructions: Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:
Proper shipping name: Consumer commodity
Hazard class: ORM-D
Subsidiary hazard class: None
Additional information:
Packaging exceptions: 156, 306
Packaging non bulk: 156, 306
Packaging bulk: None

Product name: Ace Wasp & Hornet Spray WHA
Product #: 005-002  Revision date: 08-SEP-2011  Print date: 08-SEP-2011
15. Regulatory Information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
isopropyl Alcohol 87-63-0 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous Yes chemical

CERCLA (Superfund) reportable quantity
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Section 302 extremely No hazardous substance
Section 311 hazardous chemical Yes
Hazard categories (311/312) Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

Inventory status
Country(s) or region Inventory name On inventory (yes/no)*
China Inventory of Existing Chemical Substances in China (IECSC) Yes
Europe European Inventory of New and Existing Chemicals (EINECS) No
Europe European List of Notified Chemical Substances (ELINCS) No
Japan Inventory of Existing and New Chemical Substances (ENCS) Yes
Korea Existing Chemicals List (ECL) No
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations
U.S. - Pennsylvania - RTK (Right to Know) List
Carbon Dioxide 124-38-9 Present
isopropyl Alcohol 67-63-0 Environmental hazard
Paraffinic, Naphthenic Solvent 84742-47-8 Present
Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 1
Flammability: 4
Physical hazard: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MSDS sections updated

Exposure Controls / Personal Protection: Eye protection
Exposure Controls / Personal Protection: Skin and body protection
Physical & Chemical Properties: Appearance

Prepared by

Regulatory Compliance