

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** WASP A FOAM ADVANCED AERO SOL SAMPLE, OG  
**Product Code** 5324  
**Information on Manufacturer**  
 CHEMSEARCH DIV. OF NCH CORP.  
 BOX 152170  
 IRVING, TX 75015

**Recommended Use** Pest control  
**Chemical Nature** Alcohol solution  
**Emergency Telephone Number**  
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

**Emergency Overview**

CAUTION  
 May cause eye irritation  
 May cause skin irritation  
 May be harmful if absorbed through skin  
 May be harmful if inhaled  
 May be harmful if swallowed  
 Contents under pressure

<b>Color</b> Off-white	<b>Physical State</b> Aerosol	<b>Odor</b> Alcohol
<b>Potential Health Effects</b>	Inhalation, Skin contact, Eye contact.	
<b>Principle Route of Exposure</b>	Inhalation, Skin Absorption.	
<b>Primary Routes of Entry</b>		
<b>Acute Effects</b>		
<b>Eyes</b>	May cause eye irritation.	
<b>Skin</b>	May cause skin irritation. May be absorbed through the skin in harmful amounts.	
<b>Inhalation</b>	Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.	
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea .	
<b>Chronic Effects</b>	Liver injury may occur. Contains material that may adversely affect the developing fetus.	
<b>Target Organ Effects</b>	Central nervous system, Respiratory system, Liver, Skin, Heart, Blood, Eyes, Reproductive System.	
<b>Aggravated Medical Conditions</b>	Neurological disorders. Liver disorders. Skin disorders. Respiratory disorders. Blood disorders.	
<b>Potential Environmental Effects</b>	See Section 12 for additional Ecological information.	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Permethrin	52645-53-1
Ethyl alcohol	64-17-5
Isobutane	75-28-5
Propane	74-98-6

4. FIRST AID MEASURES

<b>General Advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes . Remove contact lenses. Call a physician or poison control center immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	Move to fresh air. If breathing has stopped, apply artificial respiration. Call a physician or poison control centre immediately.
<b>Ingestion</b>	If swallowed, call a poison control centre or doctor immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
<b>Notes to Physician</b>	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<b>Flash Point</b> 89°F / 32°C	<b>Method</b> Tag closed cup
<b>Autoignition Temperature</b> No information available	
<b>Flammability Limits in Air % Mixture</b>	<b>Upper</b> 19 <b>Lower</b> 1.9
<b>Suitable Extinguishing Media</b> Water spray. Carbon dioxide (CO2). Foam. Dry chemical.	
<b>Specific Hazards Arising from the Chemical</b> Vapors may ignite and explode. Solvent vapors are heavier than air and may spread along floors . Flame extension: 0 inches / 0 cm and Burnback: 0 inches / 0 cm .	
<b>Protective Equipment and Precautions for Firefighters</b> As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
<b>Aerosol Level (NFPA 30B) -</b> 1	
<b>NFPA</b> <b>Health</b> 2 <b>Flammability</b> 3 <b>Instability</b> 0	
<b>HMS</b> <b>Health</b> 2 <b>Flammability</b> 3 <b>Instability</b> 0	

6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)

## Methods for Cleaning Up

Pick up and transfer to properly labeled containers .

## 7. HANDLING AND STORAGE

## Handling

Contents under pressure. Do not puncture. Keep away from open flames, hot surfaces and sources of ignition.

## Storage

Keep containers tightly closed in a cool, well-ventilated place.

## Storage Temperature

**Minimum** 40°F / 4°C**Maximum**

120°F / 49°C

## Storage Conditions

**Indoor**

X

**Outdoor****Heated****Refrigerated**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Permethrin	No data available	no data available	no data available
Ethyl alcohol	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1900 mg/m <sup>3</sup> TWA: 1000 ppm
Isobutane	TWA: 1000 ppm	no data available	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

## Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

## Personal Protective Equipment

## Eye/Face Protection

Safety glasses with side-shields.

## Skin Protection

Impervious gloves.

## Respiratory Protection

Use NIOSH approved respiratory protection.

## General Hygiene Considerations

Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Aerosol	<b>Viscosity</b>	Non viscous
<b>Color</b>	Off-white	<b>Odor</b>	Alcohol
<b>Appearance</b>	Opaque	<b>pH</b>	9.5
<b>Specific Gravity</b>	0.95 - 0.92	<b>Bulk Density</b>	No information available
<b>Evaporation Rate</b>	>1 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	98
<b>VOC Content (%)</b>	5	<b>Vapor Pressure</b>	80 mmHg @ 70 °F
<b>Vapor Density</b>	>1	<b>Solubility</b>	Emulsifies
<b>Boiling Point/Range</b>	172 - 212°F / 100°C		

## 10. STABILITY AND REACTIVITY

## Chemical Stability

Stable under normal conditions.

## Conditions to Avoid

Keep away from open flames, hot surfaces, and sources of ignition.

## Incompatible Products

Strong oxidizing agents.

## Hazardous Decomposition Products

Carbon oxides. Hydrocarbons.

## Possibility of Hazardous Reactions

None under normal processing

## 11. TOXICOLOGICAL INFORMATION

## Product Information

No information available

## Component Information

## Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Permethrin	383 mg/kg ( Rat )	2 g/kg ( Rabbit )	no data available	no data available	no data available
Ethyl alcohol	7060 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Isobutane	no data available	no data available	658 mg/L ( Rat ) 4 h	no data available	no data available
Propane	no data available	no data available	658 mg/L ( Rat ) 4 h	no data available	no data available

## Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Permethrin	no data available	no data available	no data available	no data available	CNS
Ethyl alcohol	no data available	no data available	no data available	no data available	respiratory system, skin, eyes, CNS, liver, blood, reproductive system
Isobutane	no data available	no data available	no data available	no data available	CNS
Propane	no data available	no data available	no data available	no data available	CNS, liver, heart

## Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Permethrin	not applicable	not applicable	not applicable	not applicable	not applicable
Ethyl alcohol	not applicable	Group 1 in alcoholic beverages	Known	X	not applicable
Isobutane	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

## Product Information

Toxic to aquatic organisms Toxic to birds

## Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Permethrin	no data available	LC50= 0.016 mg/L Pimephales promelas 96 h	no data available	no data available	N/A
Ethyl alcohol	no data available	LC50= 12900 mg/L Oncorhynchus mykiss 96 h LC50= 14.2 mg/L Pimephales promelas 96 h	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	EC50 = 10800 mg/L 24 h EC50 = 9268 mg/L 48 h	-0.32
Isobutane	no data available	no data available	no data available	no data available	2.88
Propane	no data available	no data available	no data available	no data available	2.3

**Persistence and Degradability** No information available  
**Bioaccumulation** No information available  
**Mobility** No information available

13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations  
**Container Disposal** Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

**DOT**  
**Proper Shipping Name** Consumer commodity  
**Hazard Class** ORM-D  
**Description** Consumer commodity ,ORM-D

**TDG**  
**Proper shipping name** Consumer Commodity  
**Hazard Class** ORM-D  
**Description** Consumer Commodity, ORM-D

**ICAO**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Shipping Description** Aerosols,UN1950, LTD QTY

**IATA**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1  
**ERG Code** 10L  
**Shipping Description** UN1950,Aerosols, flammable,2.1, LTD QTY

**IMDG/IMO**  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**UN-No** UN1950  
**EmS No.** F-D, S-U  
**Shipping Description** UN1950, Aerosols,2, LTD QTY

15. REGULATORY INFORMATION

**Inventories**  
**TSCA** Complies  
**DSL** Complies

**U.S. Federal Regulations**  
**SARA 313**  
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372:

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Permethrin	52645-53-1	0.1-1	1.0

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

**CERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Permethrin	Not applicable	Not applicable
Ethyl alcohol	Not applicable	Not applicable
Isobutane	Not applicable	Not applicable
Propane	Not applicable	Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**  
 Non-controlled.

16. OTHER INFORMATION

**Prepared By** Kristen Stansbury  
**Supersedes Date** 10/24/2001

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Issuing Date	02/05/2009
Reason for Revision	No information available
Glossary	No information available
List of References	TBD

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