

Material Safety Data Sheet: WASP-A-FOAM ADVANCED, O/G

Supersedes Date 10/24/2001

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name WASP-A-FOAM ADVANCED, O/G
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

Color Off-white

Physical State Aerosol

Odor Alcohol

Potential Health Effects

Principle Route of Exposure

Inhalation, Skin contact, Eye contact.

Primary Routes of Entry

Inhalation, Skin Absorption.

Acute Effects

Eyes

May cause eye irritation.

Skin

May cause skin irritation. May be absorbed through the skin in harmful amounts.

Inhalation

Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea .

Chronic Effects

Liver injury may occur. Contains material that may adversely affect the developing fetus.

Target Organ Effects

Central nervous system, Respiratory system, Liver, Skin, Heart, Blood, Eyes, Reproductive System.

Aggravated Medical Conditions

Neurological disorders. Liver disorders. Skin disorders. Respiratory disorders. Blood disorders.

Potential Environmental Effects

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

General Advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Eye Contact

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.

Skin Contact

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.

Inhalation

Move to fresh air. If breathing has stopped, apply artificial respiration. Call a physician or poison control centre immediately.

Ingestion

If swallowed, call a poison control centre or doctor immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 89°F / 32°C

Method

Tag closed cup

Autoignition Temperature No information available

Flammability Limits in Air % Mixture

Upper 19

Lower 1.9

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Specific Hazards Arising from the Chemical

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 .

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) -

1

NFPA

Health

2

Flammability

3

Instability

0

HMIS

Health

2

Flammability

3

Instability

0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.

Environmental Precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment

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 ³	IDLH: 3300 ppm TWA: 1900 mg/m ³ TWA: 1000 ppm
Isobutane	TWA: 1000 ppm	no data available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³

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

Physical State	Aerosol	Viscosity	Non viscous
Color	Off-white	Odor	Alcohol
Appearance	Opaque	pH	9.5
Specific Gravity	0.95 - 0.92	Bulk Density	No information available
Evaporation Rate	>1 (Butyl acetate=1)	Percent Volatile (Volume)	98
VOC Content (%)	5	Vapor Pressure	80 mmHg @ 70 °F
Vapor Density	>1	Solubility	Emulsifies
Boiling Point/Range	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 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 Yes	Chronic Health Hazard Yes	Fire Hazard No	Sudden Release of Pressure Hazard No	Reactive Hazard No
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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
Supercedes Date	10/24/2001
Issuing Date	02/05/2009
Reason for Revision	No information available
Glossary	No information available
List of References	TBD

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