according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



RAID® FUMIGATOR - FUMIGATING FOGGER

Version 1.2 Print Date 10/09/2008

Revision Date 09/03/2008 MSDS Number 350000011093

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : RAID® FUMIGATOR - FUMIGATING FOGGER

Insecticide

Use of the :

Substance/Preparation

Company : S.C. Johnson & Son, Inc.

1525 Howe Street

Racine WI 53403-2236

Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-

5406

24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : yellow-orange / Solid form / characteristic

Immediate Concerns : Caution

CAUSES EYE IRRITATION.

Harmful if absorbed through skin. Harmful if swallowed. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and

clothing.

Potential Health Effects

Routes of exposure : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:

Mild eye irritation

Skin : Harmful if absorbed through skin.

Inhalation : May cause nose, throat, and lung irritation.

Ingestion : Harmful if swallowed.

Aggravated Medical

Condition

: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Azodicarbonamide	123-77-3	60.00 - 100.00
Permethrin	52645-53-1	12.60
Modified starch	56780-58-6	1.00 - 5.00

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4. FIRST AID MEASURES

Eye contact : Flush immediately with plenty of water for at least 15 to 20

minutes. Get medical attention if irritation develops and

persists.

Skin contact : Wash off with soap and water. Get medical attention if irritation

develops and persists.

Inhalation : Remove to fresh air. If breathing is irregular or stopped,

administer artificial respiration. Get medical attention

immediately.

Ingestion : Drink 1 or 2 glasses of water. Induce vomiting, but only if victim

is fully conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing

media

: Alcohol foam, carbon dioxide, dry chemical, water fog

Specific hazards during fire

fighting

: Exposure to decomposition products may be a hazard to

health.

Further information : Wear full protective clothing and positive pressure self-

contained breathing apparatus. Fight fire from maximum

distance or protected area.

Flash point : 400 °F

Flash point : 204 °C

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Use appropriate containment to avoid environmental

contamination.

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.

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7. HANDLING AND STORAGE

Handling

Advice on safe handling : KEEP OUT OF REACH OF CHILDREN AND PETS.

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

Do not use in areas without adequate ventilation. Product residue may remain in/on empty containers. All precautions taken in handling the product must be used in

handling the empty container and residue.

Use only as directed.

Storage

Requirements for storage areas and containers

: Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection

Industrial setting : In the case of dust or aerosol formation use respirator with an

approved filter.

Household setting : No personal respiratory protective equipment normally

required.

Hand protection

Industrial setting : For prolonged or repeated contact use protective gloves.

Household setting : not required under normal use

Eye protection

Industrial setting : If prolonged or repeated contact is possible:

Safety glasses with side-shields

Household setting : No special requirements.

Hygiene measures : Use only with adequate ventilation. Wash thoroughly after

handling. Wear suitable protective clothing. Keep away from

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food, drink and animal feedingstuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid form

Color : yellow-orange

Odor : characteristic

pH : not applicable

Boiling point : no data available

Freezing point : no data available

Flash point : 400 °F

Flash point : 204 °C

Autoignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Vapour pressure : no data available

Water solubility : no data available

10. STABILITY AND REACTIVITY

Conditions to avoid : None known.

Materials to avoid : Strong acids and oxidizing agents

Hazardous decomposition

products

Carbon oxides

nitrogen oxides (NOx)

Ammonia gas may be liberated at high temperatures.

Hazardous reactions : Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat

Dose: Calculated 4,672 mg/kg

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Acute inhalation toxicity : LC50 rat

Dose: 2.3 mg/l

Acute dermal toxicity : LD50 rat

Dose: > 2,000 mg/kg

Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : Not Available

13. DISPOSAL CONSIDERATIONS

Industrial setting : PESTICIDAL WASTE:

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding

disposal.

Household setting : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Land transport

U.S. DOT and Canadian TDG Surface Transportation:

UN-Number None.

Proper shipping name not regulated

Class: None. Packaging group None.

Sea transport

IMDG:

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UN-Number: None. Packaging group: None.

Proper shipping name not regulated

Class: None.

Air transport

ICAO/IATA:

Class: None. Packaging group: None.

Proper shipping name not regulated

UN/ID No.: None.

15. REGULATORY INFORMATION

Global Chemical Inventories

Notification status : All ingredients of this product are listed or are excluded from

listing on the U.S. Toxic Substances Control Act (TSCA)

Chemical Substance Inventory.

California Prop. 65 : This product is not subject to the reporting requirements under

California's Proposition 65.

EPA Registration Number : 4822-278

16. OTHER INFORMATION

HMIS Ratings

Health	1	
Flammability	0	
Reactivity	1	

NFPA Ratings

Health	1	
Fire	0	
Reactivity	1	

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