

Material Safety Data Sheet

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

Use of the Substance/Preparation : Insecticide

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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Special

Further information

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