

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 090

Product name Industrial RD-90
Effective date 14-Nov-2007
Company information Sprayway, Inc. 484 Vista Ave.

Addison, IL 60101 United States

Company phone General Assistance 1-630-628-3000

Emergency telephone US 800-424-9300 Emergency telephone outside US 703-527-3887

Version # 4.0

Supersedes date 07-Aug-2007

2. Hazards Identification

Emergency overview FLAMMABLE

CONTENTS UNDER PRESSURE.

Aerosol. Pressurized container may explode when exposed to heat or flame.

Harmful in contact with eyes. May be harmful if absorbed through skin. Prolonged

exposure may cause chronic effects.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard

Communication).

Potential health effects

Routes of exposure Skin contact. Inhalation. Eye contact.

Eyes Contact may irritate or burn eyes. Eye contact may result in corneal injury.

Skin Prolonged or repeated contact can result in defatting and drying of the skin which may

result in skin irritation and dermatitis (rash).

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

Prolonged inhalation may be harmful.

Ingestion Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal

irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

Target organs Kidney.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been

observed in humans.

Blood. Central nervous system. Liver. Respiratory system.

Chronic effects Unconsciousness. Conjunctiva. Liver injury may occur. Kidney injury may occur. May

cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause

delayed lung damage.

Signs and symptoms Discomfort in the chest. Corneal damage. Narcosis. Cyanosis. Liver enlargement.

Jaundice. Conjunctivitis. Defatting of the skin. Irritation.

3. Composition / Information on Ingredients

Components	CAS#	Doroont
Components	CAS #	Percent
Mineral Spirits	64742-48-9	20 - 30
Propane	74-98-6	8 - 10
2-Butoxyethanol	111-76-2	8 - 10
Non-hazardous and other components below reportable levels		

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4. First Aid Measures

First aid procedures

Ingestion

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact

lenses, if present and easy to do. Get medical attention immediately.

Skin contact Immediately flush skin with plenty of water. Remove and isolate contaminated clothing

and shoes. Get medical attention immediately. Wash clothing separately before reuse.

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.

Do not induce vomiting without medical advice. 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.

General advice Immediate medical attention is required.

5. Fire Fighting Measures

Flammable properties Containers may explode when heated. Vapor or gas may spread to distant ignition

sources and flash back.

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

Protection of firefighters

Protective equipment and precautions for firefighters

Water. Water spray. Water fog. Alcohol foam. Dry chemical. Carbon dioxide (CO2).

Do not use a solid water stream as it may scatter and spread fire.

In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental Release Measures

Personal precautionsEnsure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep

unnecessary personnel away.

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift.

Methods for cleaning up Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated

surface thoroughly. 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 or store near

an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with

eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Storage Level 3 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children. Use

care in handling/storage.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

Components	CAS#	TWA	STEL	Ceiling
Mineral Spirits	64742-48-9	100 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established

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OSHA

Components	CAS#	TWA	STEL	Ceiling
Mineral Spirits	64742-48-9	500 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established

Engineering controls Provide adequate ventilation.

Personal protective equipment

Eye / face protection Wear chemical goggles.

Skin protection Wear appropriate chemical resistant gloves. Wear chemical protective equipment that is

specifically recommended by the manufacturer.

Respiratory protection Wear positive pressure self-contained breathing apparatus (SCBA).

General hygeine considerations When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Avoid

contact with clothing. Handle in accordance with good industrial hygiene and safety

practice.

9. Physical & Chemical Properties

Appearance Compressed liquefied gas.

ColorDark brown.OdorodourlessPhysical stateLiquid.FormAerosol.

Flammability (HOC) 41.04 kJ/g estimated

Flash back No.

Pressure 27 - 37 psig @70F

Solubility Negligible

Flash point -156 °F (-104.4 °C) estimated

Boiling point 222.8 °F (106.1 °C) estimated

Specific gravity 0.777 estimated **pH** Not applicable

10. Chemical Stability & Reactivity Information

Chemical stability Risk of ignition. Stable at normal conditions.

Conditions to avoid Heat, flames and sparks.

Hazardous decomposition products May include oxides of oxides of carbon.

11. Toxicological Information

Acute effects Acute LD50: 3160 mg/kg estimated, Rat, Oral

Acute LD50: 1495 mg/kg estimated, Rat, Dermal Acute LC50: 7 mg/l/4h estimated, Rat, Inhalation

Sensitization Not expected to be hazardous by OSHA criteria.

Local effectsContact may irritate or burn eyes. Liver toxicity. Blood disorder may occur after ingestion.

Components of the product may be absorbed into the body through the skin.

Chronic effects Hazardous by OSHA criteria. This product may be harmful if it is absorbed through the

skin. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure

may cause chronic effects.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Subchronic effects Kidney injury may occur. Blood disorder may occur after prolonged inhalation. Blood

disorder may occur after prolonged skin contact.

Neurological effects Hazardous by OSHA criteria.

MutagenicityNot expected to be hazardous by OSHA criteria.Reproductive effectsNot expected to be hazardous by OSHA criteria.TeratogenicityNot expected to be hazardous by OSHA criteria.

Epidemiology Hazardous by OSHA criteria.

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12. Ecological Information

Ecotoxicity LC50 150 mg/L, Fish, 96.00 Hours,

EC50 10464 mg/L, Daphnia, 48.00 Hours,

Components of this product have been identified as having potential environmental

concerns.

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 F

Disposal instructionsContents under pressure. Incinerate the material under controlled conditions in an

approved incinerator. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in

accordance with all applicable regulations.

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

IMDG

Basic shipping requirements:

Proper shipping name AEROSOLS, flammable

Hazard class 2.1 UN number 1950

Additional information:

Packaging exceptions LTD QTY

Item5FLabels required2.1Transport Category2

IATA

Basic shipping requirements:

Proper shipping name Aerosols, flammable

Hazard class2.1UN number1950

Additional information:

Packaging exceptions LTD QTY





15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous Ye

chemical

CERCLA (Superfund) reportable quantity

None

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

Section 302 extremely

hazardous substance

Section 311 hazardous chemical Yes

Inventory status

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

2-Butoxyethanol 111-76-2 Present Propane 74-98-6 Present

16. Other Information

HMIS® ratings Health: 1*

Flammability: 4 Physical hazard: 0

Prepared by Regulatory Compliance

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.

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