

October 1, 2009

MATERIAL SAFETY DATA SHEET

RCD Corporation
2850 Dillard Road
Eustis, FL 32726

Emergency: 800-535-5053

Information: 352-589-0099

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **RCD Corporation® #52 Spray Adhesive®**

2. HAZARDS IDENTIFICATION

Emergency overview	Will be easily ignited by heat, spark or flames. FLAMMABLE CONTENTS UNDER PRESSURE. Aerosol. Irritating to eyes. Prolonged exposure may cause chronic effects.
Potential health effects	
Eyes	Causes eye irritation.
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	Central nervous system. Respiratory system.
Chronic effects	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. Narcosis. Defatting of the skin. Irritation.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Propane	74-98-6	20 – 30
Acetone	67-64-1	15 – 20
n-Butane	106-97-8	15 – 20
n-Hexane	110-54-3	10 – 15
Methyl Acetate	79-20-9	5 – 8
Non-hazardous and other components below reportable levels		10 – 20

4. FIRST AID MEASURES

First aid procedures	
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 if irritation develops or persists.
Skin Contact	Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Have victim rinse mouth thoroughly with water. 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.

5. FIRE FIGHTING MEASURES

Flammable properties	Vapor or gas may spread to distant ignition sources and flash back.
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Alcohol foam. Dry chemical. Carbon dioxide (CO2). Halons.
Protection of firefighters	
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Protective equipment and precautions for firefighters	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.

6. ACCIDENTAL RELEASE MEASURES

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

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. Use only in area provided with appropriate exhaust ventilation. Do not
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Storage

use if spray button is missing or defective. Do not get this material in contact with eyes. Do not get this material in contact with skin. Wear personal protective equipment. Avoid prolonged exposure. 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.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits

ACGIH COMPONENTS	CAS#	TWA	STEL	CEILING
Propane	74-98-6	1000 ppm	Not established	Not established
Acetone	67-64-1	500 ppm	750 ppm	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
n-Hexane	110-54-3	50 ppm	1000 ppm	Not established
Methyl Acetate	79-20-9	200 ppm	250 ppm	Not established

OSHA COMPONENTS	CAS#	TWA	STEL	CEILING
Propane	74-98-6	1000 ppm	Not established	Not established
Acetone	67-64-1	1000 ppm	Not established	Not established
n-Hexane	110-54-3	500 ppm	Not established	Not established
Methyl Acetate	79-20-9	200 ppm	Not established	Not established

Personal protective equipment

Eye/ Face protection	Wear chemical goggles.
Skin protection	Protective gloves.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Aerosol.
Boiling point	44.6° F (7.2° C) estimated
Color	Amber.
Flammability (HOC)	41.48 kJ/g estimated
Flash back	No.
Flash Point	-156°F (-104.4° C) Propellant
Form	Aerosol.
Odor	Solvent.
pH	Not applicable.
Physical state	Liquid.
Pressure	65 – 75 psig @ 70F
Solubility	Partially.
Specific gravity	0.6834 estimated

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Risk of ignition. Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	This product is incompatible with nitrates.
Hazardous decomposition products	May include oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute effects	Acute LD50: 14388 mg/kg estimated, Rat, Dermal Acute LC50: 311 mg/l/4h estimated, Rat, Inhalation
Sensitization	Not expected to be hazardous by OSHA criteria.
Teratogenicity	Not expected to be hazardous by OSHA criteria.

12. ECOLOGICAL INFORMATION

Ecotoxicity	LC50 30.05 mg/L estimated, Fish, 96.00 Hours, EC50 10910 mg/L estimated, Daphnia, 48.00 Hours. IC50 1552 mg/L estimated, Algae, 72.00 Hours, Components of this product have been identified as having potential environmental concerns.
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13. DISPOSAL CONSIDERATIONS

Waste codes	D001: Waste Flammable material with a flash point < 140 F
Disposal instructions	Contents under pressure. 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
Hazard class 2.1
UN number 1950
Additional information:
Packaging exceptions LTD QTY
Item 5F
Labels required None
Transport Category 2



IATA

Basic shipping requirements:
Proper shipping name Aerosols, flammable
Hazard class 2.1
UN number 1950
Additional information:
Packaging exceptions LTD QTY
Labels required 2.1



15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. – CERCLA/SARA – Section 313 – Emission Reporting

n-Hexane 110-54-3 1.0% de minimis concentration

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous Yes

Chemical

CERCLA (Superfund) reportable quantity

Acetone: 5000.0000

n-Hexane: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard – Yes
 Delayed Hazard – No
 Fire Hazard – Yes
 Pressure Hazard – Yes
 Reactivity Hazard – No

Section 302 extremely hazardous substance No

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)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	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

Acetone	67-64-1	Environmental hazard
Methyl Acetate	79-20-9	Present
n-Butane	106-97-8	Present
n-Hexane	110-54-3	Present
Propane	74-98-6	Present

16. OTHER INFORMATION

HMIS® ratings

Health: 1
 Flammability: 4
 Physical hazard: 0

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.

MSDS sections updated

Product and company Identification: Product and Company Identification

Prepared by

Regulatory compliance

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy himself that they are suitable and complete for his particular use. It is also the user's responsibility to make certain that he is relying upon the most recent, updated information and recommendations available.