

AA-052

RCD Corporation® MATERIAL SAFETY DATA SHEET

Revision date: 06/03/2011

1. PRODUCT AND COMPANY IDENTIFICATION**#52 Spray Adhesive®**

Supplier: RCD Corporation®
Address: 2850 Dillard Road Eustis, FL 32726

Emergency: 800-853-5053
non-emergency information: 352-589-0099

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 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. |
| 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.

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

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|--------------------|---|
| 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. |
|--------------------|---|

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.

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.