



MATERIAL SAFETY DATA SHEET

DELIBLE INK REMOVER
Solvent-Based Spotter

MSDS No: 6022
Date Prepared: 07/29/2003
Date Revised: 07/29/2003

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: DELIBLE INK REMOVER Solvent-Based Spotter
Carpet Spotter 7
PRODUCT CODE: 6022260

MANUFACTURER

The Ramsey Company
8310 16th St.
Sturtevant, WI 53177-0902

Ramsey Telephone Number: 800-421-2768
Emergency Telephone (24 hours): 800-228-5635
CHEMTREC (U.S./Can.): 800-424-9300
CHEMTREC (Int'l): +1 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Water	7732-18-5	40 - 70	NA	NA
Triethanolamine	102-71-6	7 - 13	NA	5 mg/m3
Diethylene glycol monobutyl ether	112-34-5	5 - 10	NA	NA
n-Butyl alcohol	71-36-3	3 - 7	100 ppm / 50 ppm Ceiling, Skin	/ 50 ppm Ceiling, Skin
Hexylene glycol	107-41-5	3 - 7	NA / 25 ppm Ceiling	NA / 25 ppm Ceiling
n-Amyl acetate	628-63-7	0.5 - 1.5	100 ppm 525 mg/m3	100 ppm 532 mg/m3
Diethanolamine	111-42-2	1 - 5	3 ppm 15 mg/m3	0.46 ppm 2 mg/m3 Skin

NA - Not Available

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.

WHMIS CLASS: Class B- Division 3; Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, Light Yellow Liquid . Banana Odor. Combustible. May Cause Eye and Skin Irritation. May Be Harmful if Swallowed.

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE: Eye Skin Contact Skin Absorption
 Inhalation Ingestion

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause eye irritation. Symptoms may include redness and pain.

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SKIN: May cause skin irritation. Symptoms may include redness, rash and mild swelling.

INGESTION: May be harmful if swallowed. May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. May also cause central nervous system effects including headache, dizziness and weakness.

INHALATION: High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing and a burning sensation in the nose and throat. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.

EFFECTS OF CHRONIC EXPOSURE: Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

MEDICAL CONDITIONS AGGRAVATED: May aggravate pre-existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

SKIN: Flush thoroughly with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

INGESTION: Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: 48°C (119°F)TCC

FLAMMABLE LIMITS 1.4% (n-butyl alcohol) to 11.2% (n-butyl alcohol)

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA: Use water fog, dry chemical, CO₂, or foam.

HAZARDOUS COMBUSTION PRODUCTS: Normal products of combustion (carbon monoxide and carbon dioxide) and nitrogen oxides.

FIRE AND EXPLOSION HAZARDS: Class II combustible liquid. This product is combustible and may be ignited by heat, sparks, flame, and other ignition sources. Vapors can travel to a source of ignition and flash back.

FIRE FIGHTING INSTRUCTIONS: Evacuate area. Cool containers exposed to fire with water. MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Remove ignition sources and ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent and non-sparking tools to collect material for proper disposal. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING: Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Use spark-proof tools. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

STORAGE: Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity). Store away from direct sunlight. Keep away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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ENGINEERING CONTROLS: Good general room ventilation is expected to be adequate. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits (See Section 2, Composition/Information on Ingredients).

PERSONAL PROTECTION

EYE: Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

SKIN: Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

RESPIRATORY: No respiratory protection is required if general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Banana

APPEARANCE: Clear, Light Yellow

pH: 8.3 to 9.3

PERCENT VOLATILE BY WEIGHT: 95

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING/MELTING POINT: Not Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 0.99

VISCOSITY: Water Thin

OCTANOL/WATER PARTITION COEFFICIENT: Not Available

ODOR THRESHOLD: Not Available

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None.

INCOMPATIBLE MATERIALS: Oxidizers (e.g., bleach) and strong acids (e.g., hydrochloric acid).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA: No data is available for this product. The following data are available for product ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
Water			
Triethanolamine	4000 - 9110 mg/kg	2000 mg/kg	Not Available
Diethylene glycol monobutyl ether	5660 mg/kg	4120 mg/kg	Not Available
n-Butyl alcohol	790 - 4400 mg/kg	4200 - 5300 mg/kg	8000 ppm (4-hr)
Hexylene glycol	3700 - 4700 mg/kg	7900 - 12000 mg/kg	Not Available
n-Amyl acetate	6500 - 16600 mg/kg	>17500 mg/kg	Not Available
Diethanolamine	710 - 3540 mg/kg	12200 mg/kg	Not Available

SENSITIZATION DATA: No data available.

CHRONIC DATA:

Prolonged overexposure to n-butyl alcohol by ingestion and inhalation has caused central nervous system effects in humans and laboratory animals. Prolonged overexposure to high concentrations of triethanolamine by ingestion and dermal absorption has caused minor liver and kidney effects in laboratory animals.

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REPRODUCTIVE/TERATOGENIC DATA: No data available.

CARCINOGENIC/MUTAGENIC DATA: Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA. In long-term animal studies with diethanolamine, increases in tumor formation were seen in mice, but not rats.

SYNERGISTIC MATERIALS: No data available.

12. ECOLOGICAL INFORMATION

This product is made with all biodegradable detergents. No other data available.

13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA hazardous waste (Ignitable-D001) in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated when in a container of 119 gallons (454 liters) or less.

15. REGULATORY INFORMATION

Not meant to be all-inclusive---selected regulations represented.

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard categories: Immediate, Delayed, Fire.

313 REPORTABLE INGREDIENTS: n-Butyl alcohol is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not reportable under CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

CANADA

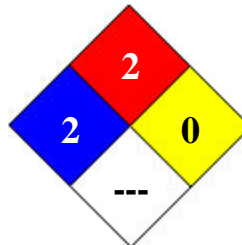
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class B-Division 3, combustible liquid; Class D-Division 2B, eye and skin irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	-

NFPA CODES:



APPROVED BY: EH&S/Regulatory Affairs

MSDS STATUS Revision #: 4

This MSDS replaces the August 10, 2000 MSDS. Any changes in information are as follows:

In Section 1

Product Code Date Prepared

The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.