

DESCRIPTION: 11118

RAWN

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Contact Cleaner Product type: Aerosol
Product Hazard: Health: 1 Fire: 3 Reactivity: 0
Hazard Rating: 4=Deadly, 3=Extremely, 2=Hazardous, 1=Slightly Hazardous, 0=Normal Material

Company Address: Rawn Inc.
 P.O. Box 9
 Spooner, WI 54801

24 Hour Emergency Telephone Number: (800) 535-5053

Phone number for product information (715) 635-8711

Mon-Fri 8:00 AM-4:30Pm

SECTION 2: COMPOSITION, INFORMATION OF INGREDIENTS

Hazardous Component	CAS#	OSHA PEL (TWA)	ACGIH TLV (TWA)
2-Methylpentane	107-83-5	500ppm	1800mg/m3
3-Methylpentane	96-14-0	500ppm	1800mg/m3
2,3-Dimethylbutane	79-29-8	500ppm	1800mg/m3
n-Hexane	110-54-3	50ppm	180mg/m3
2,2 Dimethylbutane	75-83-2	500ppm	1800mg/m3

Also contains: Ethyl Alcohol cas# 64-17-5 1000ppm, 1900mg/m3 and Carbon Dioxide cas# 124-38-9 10000ppm, 18000mg/m3

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: (Acute and Chronic)

Potential Health Effects: Liquid contents only.

Eye: Vapors may irritate eyes. Liquid and mist may irritate or damage the eyes and may cause corneal burns.

Skin: Brief contact may dry the skin, or cause burning or stinging sensation. Prolonged or repeat contact may irritate the skin.

Inhalation: Vapors and mists may irritate the nose and throat. Inhalation of higher concentration may cause headache, vomiting and coma. Inhalation of very prolonged exposure may cause unconsciousness or death. Note: intentionally concentrating and inhaling vapors of this product is harmful and may be fatal.

Ingestion: Swallowing may cause headache, nausea, vomiting, stomach cramps and diarrhea, and perhaps unconsciousness or death.

Carcinogenicity: none

Chronic effect of exposure: Prolonged or repeated exposure to high concentration can produce severe or fatal CNS depression.

SECTION 4: FIRST AID MEASURES

If on skin: Immediately wash skin with lots of soap and water. Remove soiled clothing and shoes; wash before reuse.

Get medical attention if irritation persists after washing.

If in eyes: Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

If swallowed: Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person. If physician directed or involuntary vomiting occurs, keep victim's head below his hips while vomiting so he does not breathe the vomitus into his lungs.

If inhaled: Remove persons to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (PMCC): <20 F

Flammable limits in air: LEL: 1.00% UEL: 19%

Extinguishing media: Dry chemical carbon dioxide, Class BC or ABC fire extinguisher.

Unusual fire and explosion hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation to be ignited by pilot lights, fires, sparks, heaters, electric motors, static discharge, or other ignition sources at location of material handling point.

Hazardous decomposition products: May form toxic by products such as carbon dioxides and carbon monoxide, various hydrocarbons, etc.

Flammability Classification: Class III B

SECTION 6: ACCIDENTIAL RELEASE MEASURES

In case of spill or accidental release: Cut all ignition sources. Ventilate area. Floor might be slippery be sure to use caution to avoid falling. Contain spills out of sewers and away from all water bodies, etc.

Small spills: Absorb liquid on paper, floor absorbant, or other absorbant material and transfer to container.

Large spills: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike spill to prevent from spreading, pump liquid to salvage container.

Remaining material may be taken up with sand, clay, earth, floor absorbant material, or other absorbant material and placed in appropriate waste container with non-sparking shovel.

Waste disposal method: Contact local, state, and federal authorities. Waste may be reclaimed or incinerated by federally permitted facilities.

SECTION 7: HANDLING STORAGE

Precaution for handling storage: Prevent material from getting into eyes, on skin, and on clothing. Keep from freezing. Store at temperatures below 120°F. Store out of direct sunlight. Keep away from heat and flame.

Avoid breathing vapors. Use with adequate ventilation. Wash hands thoroughly after use. For industrial use only.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: If release of chemical components results in PELs exceeded, wear NIOSH/MSHA jointly approved air supplied respirator. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier) Engineering or administrative controls should be implemented to reduce exposures.

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Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s). Explosion proof equipment is required.

Protective gloves: Wear chemically resistant gloves such as neoprene.

Eye protection equipment: Chemical splash goggles in compliance with OSHA regulations are advised, however, OSHA regulations also permit other types of safety glasses. (Consult your safety equipment supplier)

Other protection equipment: To prevent repeated or prolonged skin contact, wear protective clothing and boots.

Work hygienic Practices: Ensure strict sanitary conditions are conformed to working around chemicals: Protective clothing and equipment in accordance with 29 CFR 1910.132 and 29 CFR 1910.183

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless

Odor: mild odor

Boiling Point: 141 °F

Melting Point: n/a

Vapor Pressure: 4896

Vapor density: >1

(@ 70°F)

(air=1)

% VOC: 97%

% Soluble H₂O: 12%

Spec. Gravity: 0.692

Evap. Rate: >1

pH: n/e

(Ether=1)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal use and storage.

Incompatibility: (specific material to avoid) Strong oxidizers

Hazardous decomposition products: Oxides of Carbon and unidentifiable organics

Polymerization: None will occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information is based on available data on individual product components. Product as a whole has not been evaluated.

Studies on: None performed

Oral : n/a

Dermal: n/a

Inhalation: n/a

Eye irritation: n/a

Skin irritation: n/a

SECTION 12: ECOLOGICAL INFORMATION

INTRODUCTION: This environmental effects summary is written to assist in addressing emergencies created by an accidental spill which might occur during the shipment of this material, and, in general, is not meant to address discharges to sanitary sewers or publically owned treatment works.

SUMMARY: Data for this material have been used to estimate its environmental impact. It has the following properties:

When released unintentionally into the environment and diluted with a large amount of water there is no suggestion of any environmental impact.

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SECTION 13: DISPOSAL CONSIDERATION

Discharge, treatment, or disposal may be subject to national, state, or local laws. Mix with compatible chemical which is less flammable and incinerate.

Since emptied containers retain product residue, follow label warning even after container is emptied. Residual vapors may explode or ignite, do not cut, drill, grind, or weld on or near container.

SECTION 14: TRANSPORTATION INFORMATION

	<u>Domestic (ground)</u>	<u>International (ground, air, water)</u>
Shipping Name:	Consumer Commodity	Aerosols, flammable, n.o.s. (each not exceeding 1L capacity)
Hazardous Class	ORM-D	2.1
UN Number:	n/a	UN 1950
Packaging group:	n/a	n/a
Hazard label:	n/a	Flammable gas (Ltd. Qty.)

SECTION 15: REGULATORY INFORMATION

OSHA: This document has been prepared in accordance with the MSDS requirement of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Note section 2

TSCA: This product is listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

NJ right-to-know: Effective August 24, 1984, employers are required to provide information to employees regarding chemical formulations to which they may be exposed in the course of their work, and which contain hazardous substances posing threat to health and/or safety. See section 2 for contemplation

Safe drinking water and toxic enforcement act of 1986: If your business resides in the state of California or if you supply this product directly or indirectly into California, the requirement in part, that "No person in the course of doing business shall knowingly and intentionally expose any individual to chemicals known to the state to cause cancer or reproductive toxicity without first giving clear and reasonable warning to such individual..." The act does not exempt from the warning requirement "an exposure for which the person responsible can show that the exposure poses no significant risk..." A.K.A. Proposition 65

Based on available data, the following chemical(s) listed by the Governor of California may be present in this product: Noted in section 2 in descending order.

Sarah 313 Chemical notification

Any product that is repackaged or redistributed, must send a similar notice:

n-Hexane 11.35%

If you are unsure whether you must report, or if you require additional information, call EPA emergency Planning and Community Right-To-Know hotline (800) 535-0202.

SECTION 16: OTHER INFORMATION

Danger Extremely flammable. Keep away from heat sources.

These data are offered in good faith as typical values and not as a product specification

No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review recommendations.

Prepared by 

DATE COMPLETED: 4/11/94

Reviewed by 

DATE REVIEWED: 1/22/98