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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: CONTACT CEMENT 1.5 OZ TB/CG
Item No: 25905
Product Type: Adhesive

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight% | ACGIH; TLV-TWA | OSHA PEL |
|--|---------|----------------|----------------------------------|
| TOLUENE 108-88-3 | 10-30 | 20 ppm | 200 ppm |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. 64742-89-8 | 10-30 | Not listed | Not listed |
| ACETONE 67-64-1 | 10-30 | 500 ppm | 1000 ppm; 2400 mg/m ³ |
| N-HEXANE 110-54-3 | <10 | 50 ppm | 500 ppm; 1800 mg/m ³ |
| CYCLOHEXANE 110-82-7 | <3 | 100 ppm | 300 ppm; 1050 mg/m ³ |

3. HAZARDS IDENTIFICATION

Toxicity: Excessive inhalation causes headache, dizziness, nausea, and incoordination. Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage. Aspiration hazard if swallowed. May cause gastrointestinal irritation. May cause severe eye irritation. Prolonged and repeated exposure to methyl ethyl ketone and/or n-hexane may cause peripheral neuropathy by damaging peripheral nerve tissue (that of arms and legs) and result in muscular weakness and loss of sensation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Overexposure may cause eye and skin redness, difficulty breathing and vomiting.

| Component | Weight% | NTP | ACGIH Carcinogens | IARC |
|---------------------|---------|--|---|--|
| TOLUENE 108-88-3 | 10-30 | male rat-no evidence; female rat-no evidence; male mice- no, female mice-no | A4 - Not Classifiable as a Human Carcinogen | Group 3; Monograph 71, 1999; Monograph 47, 1989 |
| ACETONE 67-64-1 | 10-30 | Not known | A4 - Not Classifiable as a Human Carcinogen | |

Medical Conditions Recognized as Being Aggravated by Exposure: Toluene: Eye, liver, skin, respiratory and central nervous system disorders, alcoholism.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Flash Point °F(C°): | <0° F |
| Recommended Extinguishing Media: | Carbon dioxide, Dry chemical, Foam |
| Special Fire-Fighting Procedures: | Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. |
| Hazardous Products of Combustion: | Oxides of carbon |
| Unusual Fire/Explosion Hazards: | Keep containers cool. Closed containers may rupture or explode when exposed to extreme heat. Vapors may travel from container toward sources of ignition and flashback. |
| Lower Explosive Limit: | 0.9% |
| Upper Explosive Limit: | 13.0% |

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.

7. HANDLING AND STORAGE

| | |
|------------------|--|
| Storage: | Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C). Exposure to high temperatures may cause container to burst. |
| Handling: | Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Do not use near heat, sparks or open flame. Vapors may accumulate readily and may ignite explosively. Wash thoroughly after handling. Keep container closed when not in use. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------------------|--|
| Eyes: | Safety glasses. |
| Skin: | Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use. |
| Ventilation: | General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. |
| Respiratory Protection: | An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------|------------------------|
| Appearance: | Clear viscous liquid |
| Odor: | Solvent |
| Boiling Point: | 133°F |
| pH: | Does not apply |
| Solubility in Water: | Nil |
| Specific Gravity: | 0.79 |
| VOC(Wt.%): | 60.6% |
| Vapor Pressure: | Not determined |
| Vapor Density (Air=1): | >1 |
| Evaporation Rate: | >1 (butyl acetate = 1) |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Chemical Stability: | Stable at normal conditions |
| Hazardous Polymerization: | Will not occur. |
| Incompatibilities: | Avoid contact with bases and strong oxidizers, Acids |
| Conditions to Avoid: | Keep away from heat, sparks and flame. |
| Hazardous Products of Combustion: | Oxides of carbon |

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Ground Transport (DOT)

DOT Shipping Name: Consumer Commodity
Hazard Class: ORM-D
UN/ID Number: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG

Proper Shipping: Adhesives containing flammable liquid, Limited Quantity
Hazard Class: Class 3, PG II
UN Number: UN 1133

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

TOLUENE, N-HEXANE, CYCLOHEXANE

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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