

MATERIAL SAFETY DATA SHEET

ADAMS CEMENT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: ADAMS CEMENT

PART No.: APC130CC

UN/NA (PIN) No.: UN1133

APPLICATIONS: Contact Adhesive

EMERGENCY TELEPHONE: Info Trac - (800) 535-5053

SUPPLIER: Chemtool Incorporated
8200 Ridgfield Road
P.O. Box 538
Crystal Lake, IL 60039-0538

TELEPHONE: (815) 459-1250

FAX: (815) 459-1955

2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RQ:	TPQ:
ACETONE	67-64-1	10-30 %	5 000 lbs	N/A
BENZENE, DIMETHYL-	1330-20-7	1-5 %	1 000 lbs	N/A
HEXANE	110-54-3	30-50 %	1 lb (air)	N/A
BENZENE, METHYL-	108-88-3	5-10 %	1 000 lbs	N/A
2-BUTANONE	78-93-3	10-30 %	5 000 lbs	N/A
PHENOL,	128-37-0	1-5 %	N/A	N/A
2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-				

COMPOSITION COMMENTS:

Refer to section eight for exposure limits on ingredients.
Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

3. HAZARDS IDENTIFICATION

Extremely flammable. Irritating to eyes and skin. Irritating to respiratory system. Harmful if swallowed.

CHRONIC EFFECTS:

SENSITIZATION:

No known information.

CARCINOGENICITY:

NTP: Not listed. IARC: Not listed. OSHA: Not regulated.
* NTP (National Toxicology Program)
* IARC (International Agency for Research on Cancer)
* OSHA (Occupational Safety and Health Administration)

REPRODUCTION/TERATOGENICITY:

No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

HEALTH WARNINGS:

INHALATION. Prolonged inhalation of large concentrations can damage the respiratory system. Repeated severe exposures or steady prolonged exposure to solvents may cause permanent injury. SKIN CONTACT. Slightly irritating. Repeated or prolonged contact can result in drying of the skin. The product/chemical has a defatting effect on the skin. EYE CONTACT. Strongly irritating. INGESTION. Can cause stomach ache and vomiting. Can cause internal injury.

ROUTE OF ENTRY:

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

4. FIRST AID MEASURES

- INHALATION:** Remove victim immediately from source of exposure. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. If breathing stops, provide artificial respiration. Get medical attention.
- INGESTION:** DO NOT induce vomiting. Get medical attention immediately. Drink large amounts of water. Do not give victim anything to drink if he is unconscious.
- SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
- EYES:** Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F): <68 METHOD: TCC (Tag closed cup).
FLAMMABILITY LIMIT - LOWER(%): N/D
FLAMMABILITY LIMIT - UPPER(%): N/D

EXTINGUISHING MEDIA:

Use: Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES:

Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Vapors may ignite. Volume and pressure increases strongly when heated. Risk of container explosion in fire.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide (CO₂). Carbon monoxide (CO).

PROTECTIVE MEASURES IN CASE OF FIRE:

Self-contained breathing equipment and chemical resistant clothing recommended.

6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS:**

Minimize skin contact. Avoid breathing vapors; wear appropriate respirator. Remove sources of ignition.

PRECAUTIONS TO PROTECT THE ENVIRONMENT:

Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

SPILL CLEAN-UP PROCEDURES:

Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Eye wash and emergency shower must be available at the work place.

STORAGE PRECAUTIONS:

Keep away from heat, sparks and open flame. Store separated from: Acids. Oxidizing materials.

STORAGE CRITERIA:

Flammable liquid storage.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	OSHA PEL:		ACGIH TLV:		OTHER:		UNITS:
		TWA:	STEL:	TWA:	STEL:	TWA:	STEL:	
ACETONE	67-64-1	750	1000	750	1000	N/A	N/A	ppm
BENZENE, DIMETHYL-	1330-20-7	100	150	100	150	100	150	ppm
HEXANE	110-54-3	50	N.E.	50	N.E.	50	N.E.	ppm
BENZENE, METHYL-	108-88-3	100	150	50	N.E.	100	150	ppm
2-BUTANONE	78-93-3	200	300	200	300	200	300	ppm
PHENOL,	128-37-0	10	N/A	10	N/A	10	N/A	mg/m3
2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-								

PROTECTIVE EQUIPMENT:



ENGINEERING CONTROLS:

Use engineering controls to reduce air contamination to permissible exposure level.

VENTILATION: No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

RESPIRATORS: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

PROTECTIVE GLOVES:

Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.

EYE PROTECTION:

Wear splash-proof eye goggles to prevent any possibility of eye contact.

PROTECTIVE CLOTHING:

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENIC WORK PRACTICES:

Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:	Liquid.
COLOR:	Green.
ODOR:	Solvent.
SOLUBILITY DESCRIPTION:	Insoluble in water.
DENSITY/SPECIFIC GRAVITY (g/ml):	~0.80 TEMPERATURE (°F): 61

VAPOR DENSITY (air=1): >1.0
EVAPORATION RATE: < 1.0 REFERENCE:BuAc=1
pH-VALUE, CONC. SOLUTION: N/D

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID:

Avoid heat, flames and other sources of ignition. Avoid contact with oxidizers or reducing agents.

HAZARDOUS POLYMERIZATION:

Will not polymerize.

POLYMERIZATION DESCRIPTION:

Not relevant.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

No experimental toxicological data on the preparation as such is available.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

No data on possible environmental effects have been found.

BIOACCUMULATION:

Not determined.

BIODEGRADABILITY:

Not determined.

ACUTE AQUATIC TOXICITY:

Not determined.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Dispose of in accordance with Local Authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORT INFORMATION

PROPER SHIPPING DESCRIPTION I: Consumer Commodity

U.S. DOT:

UN/NA No.: UN1133

U.S. DOT HAZARD LABEL: No DOT label requirement noted

U.S. DOT CLASS: ORM-D (Other Regulated Material D).

INFORMATION ON ROAD TRANSPORT: Limited Quantity (LTD QTY) if less than 1 Liter per container.

15. REGULATORY INFORMATION

REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
ACETONE	67-64-1	Yes	Yes	N/A	Yes	Yes
BENZENE, DIMETHYL- HEXANE	1330-20-7	Yes	Yes	N/A	Yes	Yes
BENZENE, METHYL- 2-BUTANONE	110-54-3	Yes	Yes	N/A	N/A	Yes
PHENOL,	108-88-3	Yes	Yes	N/A	Yes	Yes
2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-	78-93-3	Yes	Yes	N/A	Yes	Yes
	128-37-0	Yes	N/A	N/A	N/A	Yes

US FEDERAL REGULATIONS:

REGULATORY STATUS:

This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented): TSCA: The ingredients of this product are on the TSCA Inventory. CERCLA 302.4. SARA 311 Categories: 3. Fire Hazard. SECTION 313: This product contains toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

ACETONE, CAS# 67-64-1 at ~13%.

HEXANE, CAS# 110-54-3 at ~32%.

2-BUTANONE, CAS# 78-93-3 (Methyl ethyl ketone) at 5 - 10%.

BENZENE, METHYL-, CAS# 108-88-3 (Toluene) at ~7.0%.

BENZENE, DIMETHYL 1330-20-7 (Xylene) at 4 - 5%.

STATE REGULATIONS:

STATE REGULATORY STATUS:

This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):. PROPOSITION 65: This product contains the following chemical(s) considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required:

TOLUENE.

CANADIAN REGULATIONS:

LABELS FOR SUPPLY:



REGULATORY STATUS:

This Material Safety Data Sheet has been prepared in compliance with the Controlled Product Regulations.

ACETONE regulated at 1%.

TOLUENE regulated at 1%.

HEXANE regulated at 1%.

METHYL ETHYL KETONE regulated at 1%.

16. OTHER INFORMATION

NFPA HAZARD RATING:

HEALTH:

Temporary incapacitation, injury (2)

FLAMMABILITY:

Ignites easily (3).

REACTIVITY:

N/A (0).

SPECIAL HAZARD:

N/A

NPCA HMIS HEALTH:

2 Moderate Hazard

PERS. PROTECT. INDEX:

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PREPARED BY:

Stacey Lorenz

DATE:

July 25, 2001

DISCLAIMER:

While the information and recommendations set forth herein are believed to be accurate as of the date thereof, Chemtool Incorporated makes no warranty with respect thereto and disclaims all liability from reliance therein.