

# MATERIAL SAFETY DATA SHEET

## ADAMS WATER & TEMPERATURE RESISTANT GREASE (AEROSOL)

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** ADAMS WATER & TEMPERATURE RESISTANT GREASE (AEROSOL)

**PART No.:** APA100CC

**UN/NA (PIN) No.:** UN1950

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

**SUPPLIER:** Chemtool Incorporated  
8200 Ridgefield 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:
HEPTANE	142-82-5	10-30 %	N/A	N/A
HEXANE	110-54-3	10-30 %	1 lb (air)	N/A
PROPANE	74-98-6	10-30 %	N/A	N/A

#### 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.

#### CHRONIC EFFECTS:

#### SENSITIZATION:

No known information.

#### CARCINOGENICITY:

IARC: Not listed. OSHA: Not regulated. NTP: Not listed.

\* 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.** The solvent vapors can be harmful and cause headache, nausea and intoxication. Prolonged inhalation of large concentrations can damage the respiratory system. **SKIN CONTACT.** Slightly irritating. Repeated or prolonged contact can result in drying of the skin. **EYE CONTACT.** Irritating. **INGESTION.** Since the quantity in an aerosol can is limited, and the product is hard to ingest, the toxicity risk is deemed to be small. Can cause stomach ache and vomiting.

**ROUTE OF ENTRY:**

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

**4. FIRST AID MEASURES**

- INHALATION:** Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention.
- INGESTION:** DO NOT INDUCE VOMITING! Get medical attention immediately!
- SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
- EYES:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**5. FIRE FIGHTING MEASURES**

<b>FLASH POINT (°F):</b>	-156	<b>METHOD:</b>
<b>FLAMMABILITY LIMIT - LOWER(%):</b>	1.9	
<b>FLAMMABILITY LIMIT - UPPER(%):</b>	9.5	

**EXTINGUISHING MEDIA:**

Use: Foam. Carbon dioxide (CO<sub>2</sub>). 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. Use special protective clothing. Regular protection may not be safe. Prevent inhalation of fumes and gases.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

Explosion risk when heated. Aerosol cans may explode in case of fire. Volume and pressure increases strongly when heated. Risk of container explosion in fire.

**HAZARDOUS COMBUSTION PRODUCTS:**

Acrid smoke/fumes. Oxides of: Carbon. Hydrocarbons.

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

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

**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:**

Keep away from heat, sparks and open flame. Solvent vapors are released during application and drying.

**STORAGE PRECAUTIONS:**

Keep away from heat, sparks and open flame. Aerosol cans: Protect against direct sunlight and do not subject to temperatures over 122°F. Store separated from: Acids. Oxidizing materials.

**STORAGE CRITERIA:**

Flammable compressed gas storage.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

INGREDIENT NAME:	CAS No.:	OSHA PEL:		ACGIH TLV:		OTHER:		UNITS:
		TWA:	STEL:	TWA:	STEL:	TWA:	STEL:	
HEPTANE	142-82-5	400	500	400	500	85	350	ppm
HEXANE	110-54-3	50	N.E.	50	N.E.	50	N.E.	ppm
PROPANE	74-98-6	1000	N.E.	N.E.	N.E.	1000	N.E.	ppm

**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**

<b>APPEARANCE/PHYSICAL STATE:</b>	Aerosol.	
<b>ODOR:</b>	Mild (or faint). Solvent.	
<b>SOLUBILITY DESCRIPTION:</b>	Insoluble in water.	
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	~0.75	TEMPERATURE (°F): 61
<b>VAPOR DENSITY (air=1):</b>	>1	
<b>EVAPORATION RATE:</b>	<1	REFERENCE:BuAc=1
<b>pH-VALUE, CONC. SOLUTION:</b>	N/D	

**10. STABILITY AND REACTIVITY**

**STABILITY:** Normally stable.

**CONDITIONS TO AVOID:**

Avoid contact with acids and oxidizing substances. Avoid heat, flames and other sources of ignition.

**HAZARDOUS POLYMERIZATION:**

Will not polymerize.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of: Carbon. Hydrocarbons.

## 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

### LABEL FOR CONVEYANCE:



**PROPER SHIPPING DESCRIPTION I:** Consumer commodity

**U.S. DOT:**

**UN/NA No.:** UN1950

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

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

## 15. REGULATORY INFORMATION

### REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
HEPTANE	142-82-5	Yes	N/A	N/A	N/A	Yes
HEXANE	110-54-3	Yes	Yes	N/A	N/A	Yes
PROPANE	74-98-6	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. SECTION 313: This product does not contain 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. SARA 311 Categories: 3. Fire Hazard. Canadian WHMIS Classification.

**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 does not contain chemicals 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.

**CANADIAN REGULATIONS:  
LABELS FOR SUPPLY:****REGULATORY STATUS:**

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

**16. OTHER INFORMATION****NFPA HAZARD RATING:**

**HEALTH:** Temporary incapacitation, injury (2)  
**FLAMMABILITY:** Extremely flammable (4).  
**REACTIVITY:** N/A (0).  
**SPECIAL HAZARD:** N/A

**NPCA HMIS HEALTH:** 1 Slight Hazard  
**PERS. PROTECT. INDEX:** I

**PREPARED BY:** Stacey Lorenz

**DATE:** July 26, 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.