

MATERIAL SAFETY DATA SHEET

ADAMS O-RING COMPOUND GREASE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: ADAMS O-RING COMPOUND GREASE
PART No.: APG705TC
APPLICATIONS: O-Ring Compound
EMERGENCY TELEPHONE: Info Trac - (800) 535-5053
SUPPLIER: Chemtool Incorporated
8200 Ridgefield Road
P.O. Box 538
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2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RQ:	TPQ:
SILICON DIOXIDE (AMORPHOUS)	112945-52-5	5-10 %	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

Not regarded as a health hazard under current legislation.

CHRONIC EFFECTS:

SENSITIZATION:

No known information.

CARCINOGENICITY:

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

REPRODUCTION/TERATOGENICITY:

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

HEALTH WARNINGS:

INHALATION. Can irritate airways and lungs. SKIN CONTACT. Slightly irritating. EYE CONTACT. Irritating.
INGESTION. Can cause discomfort.

ROUTE OF ENTRY:

Skin and/or eye contact. Ingestion. Inhalation.

4. FIRST AID MEASURES

- INHALATION:** Remove victim immediately from source of exposure. Get medical attention if any discomfort continues. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration.
- INGESTION:** DO NOT induce vomiting. Get medical attention immediately.
- SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact physician if irritation persists.
- 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): ~450 Flash point of lowest oil. **METHOD:** Cd OC (Cleveland open cup).
FLAMMABILITY LIMIT - LOWER(%): N/D
FLAMMABILITY LIMIT - UPPER(%): N/D

FLAMMABILITY CLASS:
No Uniform Fire Code noted.

EXTINGUISHING MEDIA:
Use: Dry chemicals, sand, dolomite etc. Foam. Carbon dioxide (CO₂).

SPECIAL FIRE FIGHTING PROCEDURES:
Use water to keep fire exposed containers cool and disperse vapors. Prevent water from coming in contact with the product. 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:
Volume and pressure increases strongly when heated. Risk of container explosion in fire.

HAZARDOUS COMBUSTION PRODUCTS:
Acrid smoke/fumes. Oxides of: Carbon. Nitrogen.

PROTECTIVE MEASURES IN CASE OF FIRE:
Self-contained breathing equipment and chemical resistant clothing recommended.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
Minimize skin contact. Remove sources of ignition.

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:
Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. 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:
Chemical storage.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	OSHA PEL:		ACGIH TLV:		OTHER:		UNITS:
		TWA:	STEL:	TWA:	STEL:	TWA:	STEL:	
SILICON DIOXIDE (AMORPHOUS)	112945-52-5	6	N.E.	10	N.E.	N/A	N/A	mg/m ³

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: latex.

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:	Jelly-like.		
COLOR:	Amber.		
ODOR:	Mild (or faint).		
SOLUBILITY DESCRIPTION:	Insoluble in water.		
DENSITY/SPECIFIC GRAVITY (g/ml):	~0.90	TEMPERATURE (°F):	61
VAPOR PRESSURE:	<1 mmHg	TEMPERATURE (°F):	68
EVAPORATION RATE:	<1	REFERENCE:	BuAc=1

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID:

Avoid contact with strong oxidizers. Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERIZATION:

Will not polymerize.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of: Carbon. Nitrogen.

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**U.S. DOT:****U.S. DOT HAZARD LABEL:**

No DOT label requirement noted

U.S. DOT CLASS:

Non-Hazardous (No label required).

15. REGULATORY INFORMATION**REGULATORY STATUS OF INGREDIENTS:**

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
SILICON DIOXIDE (AMORPHOUS)	112945-52-5	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: NONE.

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:**REGULATORY STATUS:**

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

16. OTHER INFORMATION

NFPA HAZARD RATING:
HEALTH: Irritation, minor residual injury (1)
FLAMMABILITY: Burns only if pre-heated (1).
REACTIVITY: N/A (0).
SPECIAL HAZARD: N/A

NPCA HMIS HEALTH: 1 Slight Hazard
PERS. PROTECT. INDEX: B

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.