

MATERIAL SAFETY DATA SHEET

ADMAS SOFT STOP ADDITIVE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: ADMAS SOFT STOP ADDITIVE

PART No.: APO800QC

APPLICATIONS: Hydraulic System Additive

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:
------------------	----------	------------	---------	------

COMPOSITION COMMENTS:

This product contains no ingredients at greater than 1% which have been assigned exposure limits by regulatory agencies. Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

3. HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin. 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.
* IARC (International Agency for Research on Cancer)
* OSHA (Occupational Safety and Health Administration)
* NTP (National Toxicology Program)

REPRODUCTION/TERATOGENICITY:

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

HEALTH WARNINGS:

No specific health warnings noted.

ROUTE OF ENTRY:

Skin and/or eye contact. Ingestion. Inhalation.

4. FIRST AID MEASURES

- INHALATION:** Remove victim immediately from source of exposure. If breathing stops, provide artificial respiration. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.
- INGESTION:** DO NOT induce vomiting. Get medical attention immediately.
- SKIN:** Immediately remove contaminated clothing. Wash skin thoroughly with soap and water.
- 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): ~525 **METHOD:** Cd OC (Cleveland open cup).
FLAMMABILITY LIMIT - LOWER(%): N/D
FLAMMABILITY LIMIT - UPPER(%): N/D

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. 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:

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

HAZARDOUS COMBUSTION PRODUCTS:

Acrid smoke/fumes. Oxides of: Carbon.

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.

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:

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. No special storage precautions noted.

STORAGE CRITERIA:

Chemical storage.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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:

For prolonged or repeated skin contact use suitable protective gloves. 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:	Clear. Liquid.
COLOR:	Colorless. to Light (or pale). Yellow.
ODOR:	Mild (or faint).
SOLUBILITY DESCRIPTION:	Insoluble in water.
DENSITY/SPECIFIC GRAVITY (g/ml):	~0.94 TEMPERATURE (°F): 61
VAPOR DENSITY (air=1):	>1
VAPOR PRESSURE:	<0.1 mmHg TEMPERATURE (°F): 68
EVAPORATION RATE:	<1 REFERENCE:BuAc=1
pH-VALUE, CONC. SOLUTION:	N/D

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

HAZARDOUS POLYMERIZATION:
Will not polymerize.

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

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

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. Canadian WHMIS.
Not a controlled product.

16. OTHER INFORMATION

NFPA HAZARD RATING:

HEALTH:

No health hazards specifically noted for fire situations (0).

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 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.