

MATERIAL SAFETY DATA SHEET

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)
This material safety data sheet conforms to the requirements of ANSI Z400.1

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FR WG 46 FG – FR WG 46 FG

Manufacturer/Supplier:

American Chemical Technologies, Inc.
485 E. Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703

Emergency Spill Information:

INFOTRAC 1-800-535-5053
24 HOURS/DAY, 7 DAYS/WEEK

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Range % by wt.
Water	7732-18-5	40.0%-50.0%
Propylene glycol	57-55-6	38.0%-48.0%
Polyalkyleneglycol	Proprietary	0%-5%

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: CAUTION: MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Use with local exhaust ventilation.

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

Wear NIOSH-certified chemical goggles.

Wear protective clothing.

Wear chemical resistant protective gloves.

Eye wash fountains and safety showers must be easily accessible.

Potential Health Effects:

Eye Contact: Information on propylene glycol: not irritating to the eyes.

Skin Contact: Information on propylene glycol: not irritating to the skin.

Sensitization: Information on propylene glycol: skin sensitizing effects were not observed in animal studies.

Inhalation: No significant health hazards identified.

Ingestion: No significant health hazards identified.

Acute toxicity: Overexposure via ingestion may cause diarrhea and weakness. Inhalation of vapors or aerosols may cause respiratory tract irritation. Information on Propylene glycol: virtually non-toxic after a single ingestion. Virtually nontoxic after a single skin contact.

Medical conditions aggravated by overexposure: Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

HMIS Code: (Health:1) (Flammability:1) (Reactivity:0) (Protection:)

NFPA Code: (Health:1) (Flammability:1) (Reactivity:0)

SECTION 4 – FIRST AID MEASURES

Eye: In case in contact with eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

Skin: Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

Inhalation: Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Primary Routes of Entry: Routes of entry for solids and liquids include eye and skin contact, ingestion, and inhalation.

Effects of Chronic Overexposure: None identified.

SECTION 5 – FIRE FIGHTING MEASURES

Flashpoint: No data available **Method:** C.O.C.

UEL: Not determined.

LEL: Not determined.

Autoignition Temperature: No data available.

Flammability Classification: Not Flammable.

Extinguishing Media: dry extinguishing media, foam, water fog.

Unusual Fire and Explosion Hazards: Irritant gases/vapors.

Fire Fighting Equipment: Fire fighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further Information: The substance/product is combustible after drying/evaporation of the non-combustible solvent fraction.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions: Do not discharge into drain/surface water/groundwater.

Cleanup: Spills should be contained, solidified, and placed in suitable containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling: Keep away from sources of ignition – no smoking. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. No explosion proofing necessary.

Storage: Keep container tightly closed. Store at ambient temperature. Incompatibility: Segregate acids and bases. Segregate from strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye: Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Skin: Chemical resistant protective gloves.

Inhalation: Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

Engineering Controls: Provide local exhaust ventilation to control vapors/mists.

Other Protective Equipment: Eye wash fountains must be easily accessible. Wear protective clothing as needed to minimize contact. Avoid inhalation of vapors/mists. Handle in accordance with good industrial hygiene and safety practices.

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odor	: light yellow liquid with glycol odor
Viscosity	: 51.6 cSt (240 SUS) at 100°F
pH	: 8.5-10.5
Boiling Point	: 215°F (760 mmHg)
Solubility in water	: 100%
Specific Gravity	: 1.06

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Materials to Avoid: Avoid chlorine, fluorine, and other strong oxidizers.

Hazardous Decomposition: None identified.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: LD50/rate/male/female: >10,400 mg/kg

Skin irritation: rabbit: non-irritant (Draize test)

Eye irritation: rabbit: non-irritant (OECD Guideline 405) literature data

Chronic toxicity

No Chronic toxicity data available.

Other information: This product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12 – ECOLOGICAL INFORMATION

Biodegradation:

Test method: OECD 301A (new version) (aerobic), activated sludge, domestic

Method of analysis: DOC reduction

Degree of elimination: 90-100% (8 d)

Evaluation: Readily biodegradable (according to OECD criteria).

Bioaccumulation:

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Environmentaal Toxicity**Acute and prolonged toxicity to fish:**

OPP 72-1 (EPA-Guideline) static Fathead minnow?LC50 (96 h): 54,900 mg/l

Acute toxicity to aquatic invertebrates:

OPP 72-2 (EPA-guideline) Daphnia magna/EC50 (48 h): 34,400 mg/l

Toxicity to aquatic plants:

OECD Guideline 201 green algae/EC50 (14 d): 19,000 mg/l

Toxicity to microorganisms:

OECD Guideline 209 aquatic activated sludge/EC50 (0.5 h): >1,000 mg/l

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicity have been derived from the properties of the individual components.

SECTION 13 – DISPOSAL INFORMATION

Waste disposal of substance:

Dispose of in accordance with national, state, and local regulations.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing, or other means to prevent unauthorized use of containers.

SECTION 14 – TRANSPORTATION INFORMATION

Land Transport USDOT – Not classified as a dangerous good under transport regulations

Sea Transport IMDG – Not classified as a dangerous good under transport regulations.

Air Transport IATA/ICAO – Not classified as a dangerous good under transport regulations.

SECTION 15 – REGULATORY INFORMATION

Federal Regulations

Registration status: TSCA, US – released / listed

OSHA hazard category: Not hazardous

SARA hazard categories (EPCRA 311/312): Not hazardous

State RTK

Propylene glycol 57-55-6 PA

SECTION 16 – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski

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The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.