



MATERIAL SAFETY DATA SHEET

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SECTION 1 - CHEMICAL IDENTIFICATION

Product ID: 982
Name: Perfluorosuccinic acid , 98%
Synonyms: Tetrafluorosuccinic acid
Chemical Formula: HOOC(CF₂)₂COOH
Issue Date: 2/13/92 **Revised** 9/14/98

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS#: [377-38-8]
EINECS#: [206-820-7]

SECTION 3 - HAZARDS IDENTIFICATION

Precautionary Statements: Corrosive Irritant Irritating to eyes, respiratory system and skin Causes burns
Target Organs: None Known

SECTION 4 - FIRST-AID MEASURES

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Assure adequate flushing of the eyes by separating the eyelids with fingers
Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes
Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen
Ingestion: Do not induce vomiting. Allow victim to rinse his mouth with water provided person is conscious. Drink 2-4 cupfuls of water, and seek medical advice

SECTION 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent), and protective gear
Extinguishing Media: In case of fire, use water spray, carbon dioxide, dry chemical, or polymer foam
Flash Point: Not available
Fire Hazard: Slight fire hazard. Dust/air mixtures may ignite or explode
Combustion: Carbon monoxide, Carbon dioxide, Hydrogen fluoride

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as in section 8.

Spills/Leaks: Do not touch spilled material. Stop leak if possible without personal risk. Small spills: Avoid raising dust. Collect spilled material in



appropriate container for disposal. Absorbent may be used. Move containers away from spill to a safe area. Large spills: dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING AND STORAGE

General Information: Use proper personal protective equipment as in section 8.

Precautions: Store and handle in accordance with all current regulations and standards.

Handling: Avoid breathing dust. Avoid contact with skin and eyes.

Storage: Store in a cool dry place. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No occupational exposure limits established.

Ventilation: Provide local exhaust or process enclosure ventilation system. Ventilation equipment should be explosion resistant if explosive concentrations of material are present.

Respiratory Protection: Wear a NIOSH/MSHA approved (or equivalent) respirator.

Eye Protection: Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Gloves: Wear appropriate chemical resistant glove.

SECTION 9 - PHYSICAL PROPERTIES

Molecular Formula: C₄H₂F₄O₄

Physical State: White powder

Boiling Point: 150/15mm

Melting Point: 118-121

Specific Gravity:

Vapor Pressure:

MW: 190

Solubility:

Odor:

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable at normal temperatures and pressure.

Conditions to Avoid: Avoid heat Avoid generating dust.

Incompatibilities: Strong oxidizing agents Strong bases Reducing agents

Hazardous Polymerization: Has not been reported.

Hazardous Combustion: Carbon monoxide, Carbon dioxide, Hydrogen fluoride

RTECS#: CAS#377-38-8: WN0725000

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Effects: May cause irritation of the respiratory tract, eyes, and skin.

Chronic Effects: No data available
Toxicological Data: ORL-MUS LD50:200 mg/Kg CBCCT 7, 694, 55 Toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 - DISPOSAL INFORMATION

Mix or dissolve with combustible material and burn in an approved chemical incinerator equipped with after burners and scrubbers.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Name:

UN/ID#: 1759

Hazard Class: 8

Packing Group: II

Labels: 8

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory - Yes

SECTION 16 - OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE.