Section 1. Chemical Product and Company Identification

**Product name:** PF-750, Carboxylic Acid  
**Product No.:** PK-PF-750-1-01 / PK-PF-750-05  
**Supplier:** PromoCell GmbH  
Sickingenstrasse 63/65  
69126 Heidelberg  
Germany  
Tel: +49-6221-64934-0  
Fax: +49-6221-64934-40

**Intended Use:** Contact supplier for specific applications

Section 2. Composition / information on ingredients

**Substance/Preparation:** Substance  
**Purity Classification:** See batch specific Certificate of Analysis  
**Xi, R41**

Section 3. Hazards identification

**United States**  
Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this product.

**Emergency Overview:** Warning! CAUSE SEVERE EYE IRRITATION. Avoid contact with eyes. Wash thoroughly after handling.

**Routes of Entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential acute health effects**  
- **Eyes:** Severely irritating to the eyes.  
- **Skin:** No known significant effects or critical hazards.  
- **Inhalation:** No known significant effects or critical hazards.  
- **Ingestion:** No known significant effects or critical hazards.

**Potential chronic health effects**  
- CARCINOGENIC EFFECTS: Not available.
- MUTAGENIC EFFECTS: Not available.
- TERATOGENIC EFFECTS: Not available.

**Medical Conditions Aggravated by Overexposure**  
Overexposure (Sign/Symptoms): Not available.

**Europe**  
**Classification:** Xi, R41  
**Physicochemical hazards:** Not applicable.  
**Human health hazards:** Risk of serious damage to eyes.  
**Environmental hazards:** Not applicable.

See Toxicological Information (section 11)

Section 4. First aid measures

**Notice to Reader:** Get immediate medical attention.

**Effects and symptoms**  
- **Inhalation:** Not available.  
- **Ingestion:** Not available.  
- **Skin Contact:** Not available.  
- **Eye Contact:** Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Safety data sheet: PF-750, Carboxylic Acid

Date of issue: 22.01.2010

Section 5. Fire-fighting measures

Flammability of the Product
May be combustible at high temperature.

Flash Points
Not available.

Fire Hazards in Presence of Various Substances
Not available.

Fire Fighting Media and Instructions
Use an extinguishing agent suitable for surrounding fires.

Protective Clothing (Fire)
May be combustible at high temperature.

Hazardous thermal (de)composition products
May be combustible at high temperature.

Section 6. Accidental release measures

Personal precautions
Splash goggles. Lab coat.

Environmental Precautions and Clean-up Methods
Use a shovel to put the material into a convenient waste disposal container.

Small Spill and Leak
Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and storage

Handling
Avoid contact with eyes. Wash thoroughly after handling.

Storage
Refrigeration required (4°C). Freezer storage recommended (-20°C). Desiccation recommended.

Intended Use
Contact supplier for specific applications.

Packaging Materials
Suitable / Not suitable
Use original container.

Section 8. Exposure controls / personal protection

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes
Splash goggles.

Body
Lab coat.

Hands
Gloves.

Respiratory
Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

Protective Clothing (Pictograms)
Section 9. Physical and chemical properties

- **Physical state and appearance**: Solid.
- **Molecular Weight**: 931.07 g/mol
- **Molecular Formula**: C_{8}H_{20}O_{5}S_{2} • 2Na
- **Dispersion Properties**: Soluble in H_{2}O, EtOH, DMF, DMSO.
- **Color**: Green
- **Odor**: Odorless
- **Taste**: Not available
- **Solubility**: Not available

Section 10. Stability and reactivity

- **Stability and Reactivity**: The product is stable if stored unopened and cooled. Sensitive to light and humidity. Amine containing buffers and reducing agents.
- **Conditions to avoid**: Not available.
- **Materials to avoid**: Not available.
- **Hazardous Decomposition Products**: Not available.

Section 11. Toxicological information

- **Toxicity to Animals**: PF-750, Carboxylic Acid
- **LD50**: Not available.
- **LC50**: Not available.
- **Chronic Effects on Humans**: Not available.
- **Potentially harmful. The complete properties have not been investigated. However, similar compounds are known to be chemically reactive with proteins and other biochemicals and should be treated as potentially hazardous.
- **Not available.**
- **Other Toxic Effects on Humans**: Not available.
- **Special Remarks on Toxicity to Animals**: Not available.
- **Special Remarks on Chronic Effects on Humans**: Not available.
- **Carcinogenicity**: Not available.
- **Mutagenicity**: Not available.
- **Reproductive Toxicity**: Not available.
- **Over exposure signs/symptoms**: Not available.
- **Inhalation**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.
- **Skin**: No known significant effects or critical hazards.

Section 12. Ecological information

Quantitative data on the ecological effect of this product are not available. Do not allow to enter waters, waste water, or soil!

Section 13. Disposal considerations

- **Waste Stream**: Not available.
- **Methods of disposal**: Not available.
- **European waste catalogue (EWC)**
- **Hazardous waste**: Not available.
- **Denmark - Carcinogenic waste**: Not available.
- **Denmark - Waste card number**: Not available.
- **Denmark - Waste group**: Not available.
- **Sweden - thermoplastic waste**: Not available.
- **Sweden - Waste group**: Not available.
- **Austria - Waste catalogue**: Not available.
- **Norway - Waste number**: Not available.
- **Norway - Hazardous waste**: Not available.
- **Switzerland - Waste code**: Not available.

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

The classification of the product may meet the criteria for a hazardous waste.
Section 14. Transport information

Contact the supplier for all information regarding the proper transportation method for this material.

Section 15. Regulatory information

Label requirements (Europe)
R41 - Risk of serious damage to eyes.
S22 - Do not breathe dust.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 - Wear eye/face protection

HCS Classification
Irritating material

U.S. Federal Regulations
TSCA: No products were found.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

State regulations
No products were found.

WHMIS (Canada)
Not controlled under WHMIS (Canada).

International Regulations
EINECS
Not available.
DSCL (EEC)
R41 - Risk of serious damage to eyes.
International Lists
No products were found.
State Regulations
No products were found.

Section 16. Other information

Hazardous Material Information (U.S.A.)

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National Fire Protection Association (U.S.A.)

Flammability
Health

References
Not available.

Full text of R phrases referred to in sections 2 and 3 - Europe

Xi - IRRITANT

Intended Use
Contact supplier for specific applications.

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. PromoCell shall not be held liable for any damage resulting from handling or contact with the above product.