

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/ MIXTURE AND THE COMPANY/ UNDERTAKING

PRODUCT:

057559 Anion Regenerant Concentrate; Sulfuric Acid Concentrate, 75 mL, (20x)

Thermo Fisher Scientific
1228 Titan Way
P.O. Box 3603
Sunnyvale, California 94088-3603

Emergency Phone: 1-800-424-9300 (CHEMTREC)
+1-703-527-3887 (INTERNATIONAL)
Information Phone: (408) 737-0700
Date Revised: 04/10/2015

For laboratory use.

2. HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:



GHS05 Corrosive



GHS07 Irritant

Signal Word:

Danger

Hazard Statements:

- H302** Harmful if swallowed.
- H318** Causes serious eye damage.
- H312** Harmful in contact with skin.
- H314** Causes severe skin burns and eye damage.

Potential Health Effects:

Eyes: Causes severe eye damage.

Skin: Harmful in contact with skin.

Inhalation: No data available.

Ingestion: Harmful if swallowed.

Precautionary Statements: All Classifications meet the CLP/GHS requirements.

- P262** Do not get in eyes, on skin, or on clothing.
- P280** Wear protective gloves/clothing/eye and face protection.
- P340** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P264** Wash thoroughly after handling.
- P350** Gently wash with soap and water.

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Dionex Products

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CLP/GHS CLASSIFICATION (1272/2008):

SKIN CORROSIVE: (Category 1B)

EU CLASSIFICATION (67/548/EEC):

EUH071 Corrosive to respiratory tract.

EUH210 Safety data sheets available on request.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

GHS Label Elements: Corrosive, Irritant



Danger! Contains Sulfuric Acid

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Sulfuric Acid
PERCENT (%)	89.6	10.4
CAS NO.	7732-18-5	7664-93-9
EINECS NO.	231-791-2	231-639-5

4. FIRST AID MEASURES

GENERAL: Remove contaminated clothing, wash thoroughly before reuse.

EYES: Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.

SKIN: Remove contaminated clothing and flush with water thoroughly.

INHALATION: Move to fresh air. If symptoms persist seek medical attention immediately.

INGESTION: If large amounts are swallowed, get medical help immediately. If patient is conscious, give large quantities of water. **DO NOT INDUCE VOMITING!**

5. FIRE FIGHTING MEASURES

Hazardous Combustion Products: Data not available

Extinguishing Media: Data not available

Special Protective Actions For Fire Fighters: Data not available

6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
- Wear appropriate protective clothing and eye protection.
- Contain spill.
- Neutralize, collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
- Store waste in a UN approved compatible container.
- Mop up and store in a suitable waste container.
- Wash contaminated areas with soap and water.

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7. HANDLING AND STORAGE

- Ensure good ventilation.
- Have an eye wash in the immediate area in case of emergency.
- Store at room temperature
- Keep container tightly closed
- Use good laboratory practice when working with any chemical whether it is considered hazardous or not.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Routes of Entry:

INHALATION: Yes

SKIN: Yes

INGESTION: Yes

Health Hazards:

ACUTE: May cause burns to skin, eyes and mucous membranes.

CHRONIC: Data not available

Ventilation:

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): Use in hoods if possible

SPECIAL: Data not available

OTHER: Data not available

Protective Clothing Or Equipment:

GLOVES: Disposable nitrile gloves

EYE PROTECTION: Safety glasses or goggles

RESPIRATORY: Data not available

OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear

ODOR: None

pH: 1

MOLECULAR WEIGHT: 98.06

MELTING POINT: Not Applicable

BOILING POINT: Approximately 100 degrees C

AUTOIGNITION TEMPERATURE: Not Applicable

FLASH POINT: Nonflammable - 89.6% Water

LOWER EXPLOSION LIMIT: Undetermined

UPPER EXPLOSION LIMIT: Undetermined

SPECIFIC GRAVITY: Approximately 1

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SOLUBILITY: Data not available
FREEZING POINT: Data not available
EVAPORATION RATE: Data not available
FLAMMABILITY: Not combustible
VAPOR PRESSURE: Data not available
VAPOR DENSITY: Data not available
DECOMPOSITION TEMPERATURE: Data not available
VISCOSITY: Data not available
SOLUBILITIES: Data not available
PARTITION COEFFICIENT: Data not available

10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Water-reactive materials
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Toxic oxides of sulfur
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

Acute toxicity: May cause burns to skin, eyes or mucous membranes.
Skin corrosion/irritation: Corrosive to skin
Serious eye damage/irritation: May cause serious eye damage.
Respiratory or skin sensitization:

- In case of contact, wash skin with copious amounts of water.
- Flush eyes with copious amounts of water for at least 15 minutes.
- If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Get medical attention.

Germ cell mutagenicity: Data not available
Carcinogenicity: Data not available
Reproductive toxicity: Data not available
STOT-single exposure: Data not available
STOT-repeated exposure: Data not available
Aspiration hazard: No
Likely routes of exposure: Ingestion, skin
OSHA PEL: Data not available
NTP: Data not available
IARC Monographs: Data not available
ACGIH TLV TWA: Data not available

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HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

HAZARDOUS COMPONENTS:	Water	Sulfuric Acid
RTECS #:	ZC0110000	WS5600000
OSHA PEL:	Not Found	1 MG/M3
ACGIH TLV:	Not Found	1 MG/M3/3 STEL
TOXICITY DATA:	None	UNK-MAN LDLo: 135 mg/kg
	None	ORL-RAT LD50: 2,140 mg/kg
TSCA	Yes	1980

12. ECOLOGICAL INFORMATION

Data not available on environmental toxicity for this solution.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION**USDOT CLASSIFICATION:**

UN ID NUMBER: UN 3316
PROPER SHIPPING NAME: Chemical Kit
CLASS OR DIVISION 9
HAZARD LABEL(S) Miscellaneous
PACKAGING GROUP III

IATA CLASSIFICATION:

UN ID NUMBER: UN 3316
PROPER SHIPPING NAME: Chemical Kit
CLASS OR DIVISION: 9
HAZARD LABEL(S): Miscellaneous
PACKAGING GROUP: III

IMO/IMDG CLASSIFICATION:

UN ID NUMBER: UN 3316
PROPER SHIPPING NAME: Chemical Kit
CLASS OR DIVISION: 9
HAZARD LABEL(S): Miscellaneous
PACKAGING GROUP: III

ADR CLASSIFICATION:

UN ID NUMBER: UN 3316
PROPER SHIPPING NAME: Chemical Kit
CLASS OR DIVISION: 9

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HAZARD LABEL(S): Miscellaneous
PACKAGING GROUP: III

Not a marine pollutant.

15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

PRODUCT RISK STATEMENTS:

- R35** Causes severe burns
- R36** Irritating to the eyes
- R37** Irritating to the respiratory system
- R38** Irritating to the skin
- R49** May cause cancer by inhalation

PRODUCT SAFETY STATEMENTS:

- S23** Do not breathe gas/fumes/vapour/spray
- S30** Can become highly flammable in use
- S36** Wear suitable protective clothing
- S37** Wear suitable gloves
- S39** Wear eye/face protection
- S45** In case of accident or if you feel unwell, seek medical advice immediately

This Safety Data Sheet has been prepared in accordance with the REACH regulation in the EU and the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). It complies with the requirements of the Canadian Controlled Products Regulations and US 29CFR 1910.1200. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of Merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Thermo Fisher Scientific be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.

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