

MICROETCH 6075

Revised: 2/18/15

1 IDENTIFICATION

Product Code :2703003

Recommended use of the chemical and restrictions on use: Industrial applications

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2 HAZARDS IDENTIFICATION



Hazard Category: Acute Toxicity-Oral Hazard Category 4

Skin Corrosion/Irritation Hazard Category 2

Specific Target Organ Toxicity (Single Exposure) Hazard Category 3

Oxidizing Solid Hazard Category 3

Eye Damage/Irritation Hazard Category 2A

Sensitization-Respiratory Hazard Category 1A

Sensitization-Skin Hazard Category 1A

Hazard Statements: Harmful if swallowed.

Causes skin irritation.

May cause respiratory irritation.

May intensify fire, oxidizer

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Prevention: Wash skin thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Do not breath dusts or mists.

Use only outdoors or in well ventilated area.

Keep away from heat.

Keep/Store away from clothing and other combustible material.

Take any precaution to avoid mixing with combustibles.

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face prot

In case of inadequate ventilation wear respiratory protection.

Response: If swallowed: Call poison center, if you feel unwell.

Rinse Mouth

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if yo

If exposed or concerned: Get medical advice/attention.

If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to c

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs, get medical advice/attention.

If experiencing respiratory symptoms: Call a poison center/doctor/

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Storage: Store in well ventilated place. Keep container tightly closed.

Store locked up.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Sodium Persulfate	Sodium Peroxodisulfate	7775-27-1	<100%

4 FIRST AID

After Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical attention.

After Skin Contact:

If on skin(on hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call doctor if irritation persists.

After Eye Contact:

If in eyes: wash with plenty of water and get medical attention.

Most Important Symptoms/Effects

Inhalation:

May cause irritation and inflammation in nose, throat and lungs.

Eye:

May cause ulceration of the cornea and blindness.

Skin:

Causes bleaching, redness and blistering of the skin.

Indication of immediate medical attention:

Severe eye and or skin irritation or burns.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical:

Product is fire stimulating. Contact with the following substances may cause inflammation: flammable substances. The product itself does not burn. Involved in fire, it may decompose yielding oxygen. Risk of overpressure and burst due to decomposition in confined spaces and pipes. Release of oxygen may support combustion. Strong oxidizer. Contact with combustible materials may cause a fire. Contact with incompatible materials (e.g. metals, alkalis, and reducing agents will cause hazardous decomposition under of heat, steam, and oxygen gas. Danger of decomposition under influence of heat.

Special protective equipment and precautions for firefighter

SCBA and clothing to protect against acid gases and other toxic releases.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

Prevent spilled product from drains, sewers, waterways and soil.

Methods and Materials for containment & cleaning up:

Remove or shutdown ignition sources such as pilot lights, heating elements, furnaces and boilers.

Stop leak if possible without risk.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling:

Do not store with reducing agents, strong alkali or mix with combustible materials. Store only in properly vented containers. Do not plug vent caps on containers. Do not store in direct sunlight.

Conditions for safe storage, inc any incompatibilities:

Never return unused or partially used product to original container. Keep in well ventilated area.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Persulfate	ACGIH/OSHA	0.1 mg/m3	-

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

Ventilation:

Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Other:

Insure that eye wash and safety shower are proximal to the work station.

Protective Gloves:

Acid resistant rubber.

Eye Protection:

Wear chemical safety goggles with face shield.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white granular mixture

Odor: No odor

Odor Threshold: N/A

PH: 5 - 7 (1% solution)

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling Range: N/A

Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	N/A
Solubility (ies):	Dispersible
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Reactivity:	Impurities, decomposition catalysts, metals. metallic salts, alkalis, Hydrochloric Acid, reducing agents.
Chemical Stability:	Stable
Conditions to Avoid:	pH above 3.0, trapped or inadequately vented H ₂ O ₂ , high temperatures and combustibles
Incompatible Materials:	Iron, Copper, Chromium, Nickel. Mercury, Cobalt, Lead, Manganese, Tin, Dust, Rust, Dirt and Organic Compounds and Alkaline Compounds.
Hazardous Decomposition Products:	Acid gases

11 TOXICOLOGICAL INFORMATION

Oral Administration:	LD50(Rat)male-930 mg/kg
Dermal administration:	LD50(Rabbit)->10,000 mg/kg
Immediate effects:	Irritation to Eyes, skin, throat, nose, mucous membranes and gastrointestinal tract.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH

12 ECOLOGICAL INFORMATION

Fish, <i>Oncorhynchus mykiss</i>	LC50 163 mg/L-96 hrs
<i>Lepomis macrochirus</i> ,	no data available
<i>Daphnia Magna</i> ,	LC50 -133 mg/L 48 h
Abiotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Disperses in water.
Soil/Sediment Result:	Pronounced solubility and mobility

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number:	1505
UN Proper Shipping Name:	SODIUM PERSULFATE,
Transport Hazard Class (es):	5.1
Packing Group:	III
ERG:	140

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 2

Cercla NA

Sara Hazard Classification The chemicals in this product are not subject to SARA Title III, Section 313 Reporting Requirements.

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.