

MATERIAL SAFETY DATA SHEET

1) Product information:

Supplier : ADAKEM KIMYA SAN VE TIC LTD
Sahap Gurler Cad. Cakiroglu Is Merkezi No.22/5
Kadikoy / Istanbul – TURKEY
Phone # +90 216 330 92 00
Fax # +90 216 330 91 81

Shipping name : Sodium Persulfate (SPS)
CAS : [7775-27-1]
Molecular Formula : Na₂S₂O₈
Molecular Weight : 238.13
Fieser 1,1102 3,267 Merck Index 11,8608 FT-IR 1(2), 1265B Safety 2,3151C
R&S 1(3),3451A RTECS# SE0525000 OXIDIZER IRRITANT
Chemical name : Sodium Peroxydisulfate
Ingredient:
Material component : Sodium persulfate
Percent : 99.0%min
Hazard classification : Oxidizing agent

2) Emergency and first aid procedures:

Eyes : Wash with plenty of water for more than 15 minutes. Obtain medical attention
Skin : Wash with plenty of water
Inhalation : Move victim to fresh air. If difficulty in breathing occurs, administer oxygen.
Ingestion : Drink water. Obtain medical attention

3) Fire, explosion and Reactivity Data:

Flash point : noncombustible
Autoignition temperature: noncombustible
Flammable Limits upper: noncombustible
Extinguishing media : Water
Special protection assay When stored in a cool and shaded place, A decline rate of is below 1%/year. Its solution is intensely oxidizing at dissolution.

4) Spill and Leaking procedure:

Wipe out and recover it into the container.
Never return to the original container.
In case of small amount, flush with plenty of water.

5) Storage and handling:

SPS is not combustible but assists combustion of combustible materials due to release of oxygen. Provided it is stored under appropriate condition. It must be stored dry in closed containers and protected from direct sunlight, heat and humidity. Impurities such as dirt, rust or traces of metal and reductants may cause catalytic decomposition. The product as supplied or in solution needs to be handled with appropriate care. The eye, skin and clothes must be protected when working with SPS. SPS as damp powder or aqueous solution has a bleaching and slightly corroding effect. Decomposition is accelerated by contamination of heavy metals or heat. Generate heat, oxygen, sulfuric acid mist and sulfurous acid gas.

6) Exposure controls & personal protection:

Concentration limit : none

Facilities : Use in well ventilated area. Protective Goggles. Rubber gloves If necessary. An equipment for breathing

7) Physical data:

A white crystalline odorless salt.

Usage: SPS is a suitable initiator for the emulsion or solution polymerisation of acrylic monomers, vinyl acetate, vinyl chloride etc. and for the emulsion copolymerisation of styrene, acrylonitrile, butadiene etc. SPS is also a kind of oxidizing agent: (1) Used in cleaning and pickling of metal surfaces. (2) Used in accelerated curing of low formaldehyde adhesives. (3) Used in modification of starch, production of binders and coating materials. (4) Desizing agent and bleach activator. (5) An essential component of bleaching formulations for hair cosmetics.

Packaging: 25kg net weight paper bag with one PE liner (2) 25kg net weight PE bag (3) 25kg net weight big woven bag with two PE liners (4) 1000kg net weight big woven bag with one PE liner

8) Ecological information:

Fish toxicity :

Disposal consideration :

Follow the guidance in "handling & Storage". Before disposal, dissolve in water decompose with agent as Sodium sulfite. Dispose in accordance with waste water standards.

9) Transport information :

Road/Rail transport: GGVS, GGVE, ADR, RID: CLASS 5.1

Sea transport: GGV See/IMDG code: CLASS 5.1 Page 5185, UN No.1505.

10) Regulatory information :

IMDG Code (international maritime Dangerous Goods Code)

Class 5.1 Oxidizing agents

UN No. 1505