

## 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 : Ammonium Persulfate (APS)

Formula : (NH<sub>4</sub>)<sub>2</sub>S<sub>2</sub>O<sub>8</sub>

Chemical name : Ammonium Peroxydisulfate

Ingredient:

Material component : Ammonium persulfate

Percent : -98.5%min

CAS# : 7727-54-0

UN classification : class 5.1 (Oxidizer)

UN# : 1444

Hazard classification Oxidizing agent

Decomposition is accelerated by contamination of heavy metals or heat. Generate heat, oxygen, sulfuric acid mist and sulfurous acid gas.

### 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:**

Handling Avoid any source of ignition. Not leave any combustible materials . Use personal protective equipment

Storage Not leave any combustible material or heavy metals which accelerate decomposition  
Avoid humidity and store in a cool and shaded place

### **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:**

Decomposition temperature: 177

Room temperature

Appearance and state : white granule

Odor : odorless

Specific gravity : 1.98

Solubility in H<sub>2</sub>O % : 41%(20)

Volatility by volume % : non-volatile

### **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 :**

Land : Avoid contact with the materials which accelerate decomposition.

Marine : Use approved container.

### **10) Regulatory information :**

IMDG Code (international maritime Dangerous Goods Code )

Class 5.1 Oxidizing agents

UN No. 1444