Safety Data Sheet

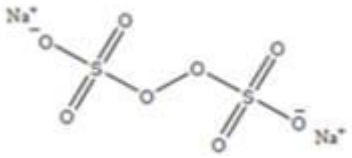
According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	**SODIUM PERSULFATE (Sodium Persulphate)**
SDS[1] No	193258
CAS[2] No	7775-27-1
EINECS[3] No	231-892-1
Chemical Name	disodium peroxodisulphate
Chemical Formula	Na_2-S_2O_8 = NaO_3-O-O-SO_3Na
Structural Formula	

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses	In the polymerization of acrylonitrile, it is usually used in the production of polyacrylonitrile fibers with alkali sulfides, emulsion polymerization of monomers, oxidizing in textile industry, oxidation of sulfur paints, metal, photography, cosmetics industries and various chemical production.
Uses Advised Against	See chapter 16 for a general overview

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier (Manufacturer)	**AK-KİM KİMYA SAN. VE TİC. A.Ş.** www.akkim.com.tr
Address – Factory	Merkez Mahallesi, Ak-Kim Sokak, No:7 Taşköprü, Çiftlikköy / TÜRKİYE
Telephone	0 226 815 33 00
Fax	0 226 353 25 39

1.4 Information Providing Authority About Safety Data Sheet

Ali Haydar KETİR
ali.ketir@akkim.com.tr

1.5 Emergency Telephone Number

Company Emergency	0 226 815 33 00

2. HAZARDS IDENTIFICATION

2.1 Classification Of The Product

2.1.1 Classification According to Regulation (EC) No 1272/2008

- Oxidising solids, Category 3; H272
- Acute toxicity, Category 4, oral; H302
- Skin irritation, Category 2; H315
- Eye irritation, Category 2; H319
- Specific Target Organ Toxicity (single exposure), Category 3; H335
- Respiratory sensitisation, Category 1; H334
- Skin sensitisation, Category 1; H317

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

2.2 Label elements

2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP[4]/GHS[5]]

Product Identifier

Hazard Component for Labeling

· *SODIUM PERSULFATE*

Hazard Pictograms

Signal Word

· *Danger*

Hazard Statements

H272	*May intensify fire; oxidiser.*
H302	*Harmful if swallowed.*
H315	*Causes skin irritation.*
H317	*May cause an allergic skin reaction.*
H319	*Causes serious eye irritation.*
H334	*May cause allergy or asthma symptoms or breathing difficulties if inhaled.*
H335	*May cause respiratory irritation.*

Precautionary Statements

General

· *None*

Prevention

P210	*Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P261	*Avoid breathing dust/fumes/gas/mist/vapours/spray.*
P280	*Wear protective gloves/protective clothing/eye protection/face protection.*

Response

P302+P352	*IF ON SKIN: Wash with plenty of soap and water.*
P304+P341	*IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.*
P305+P351+P338	*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

Storage

P403+P233	*Store in a well ventilated place. Keep container tightly closed.*

Disposal

P501	*Dispose of contents/container in accordance with local/ regional /national/ international regulation.*

Supplemental Hazard Information (EU) Statements

· *None*

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

2.2.2. Special Rules For Supplemental Label Elements For Certain Mixtures

· None.

2.2.3. Additional Labeling

· Not Applicable

2.3 Hazard Identification

2.3.1. Skin Contact

This substance may cause skin irritation in contact with some people. The substance may exacerbate the pre-existing dermatitis condition on the skin. Open cuts, worn or irritated skin should not be exposed to this material. Entry into the bloodstream by means of cuts, abrasions or lesions; may cause systemic damage with harmful effects. Before using the material, examine the skin and make sure that any external injuries are adequately protected.

2.3.2. Eye Contact

This substance can cause irritation and damage to eyes in some people.

2.3.3. Ingestion

Accidental oral ingestion of the material may be harmful; experiments on animals show that oral ingestion of less than 150 grams may be fatal or cause serious damage to the health of the person.

2.3.4. Inhalation

The substance may cause respiratory irritation in some people. The reaction of the body to such an irritation can lead to more lung damage. Persons with impaired respiratory function, respiratory tract diseases, and emphysema and chronic bronchitis may develop further disabilities in the case of particle inhalation at extreme concentrations.

2.3.5. Long term effects

There are no known long-term effects.

2.3.6. Adverse Environmental Effects

No data available

2.4. Additional Information

· None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Substance: disodium peroxodisulphate (> 99%)

NAME	EINECS NO	CAS NO.	CONTENT (%)	CLASSIFICATION CLP
disodium peroxodisulphate	231-892-1	7775-27-1	> 99	 DANGER Oxidising solids, Category 3; H272 Acute toxicity, Category 4, oral; H302 Skin irritation, Category 2; H315 Eye irritation, Category 2; H319 Specific Target Organ Toxicity (single exposure), Category 3; H335 Respiratory sensitisation, Category 1; H334 Skin sensitisation, Category 1; H317

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

3.2 Additional information

- None

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

- If an emergency occurs, consult a physician with this safety data sheet.

4.1.2 Following inhalation

- When smoke or combustion products are inhaled, remove the person from the contaminated area.
- Deposit the exposed person.
- Keep warm and rest.
- Prosthesis such as dentures may block breathing and if appropriate, should be removed before beginning the first aid.
- If breathing has stopped, artificial respiration should be applied, preferably breathing mask, bag-valve mask or pocket mask system (which provides respiration in poisoned people).
- Apply CPR[6] if necessary.
- Get him/her to the hospital or doctor.

4.1.3 Following skin contact

- Remove contaminated clothes and shoes immediately.
- Wash skin and hair with running water (and soap if present).
- Get medical attention if irritation develops

4.1.4 Following eye contact

- Wash the eyes with clean running water without time.
- The eyelids should be kept open and occasionally lower and upper lids should be lifted to ensure that all eyes are thoroughly washed.
- Get medical attention if symptoms persist or occur.
- Contact lenses should only be removed by authorized personnel after injury in the eyes.

4.1.5 Following ingestion

- If the person is conscious, give milk or water.
- PROVIDE VOMITING.
- Get medical help.

4.1.6 Self-protection of the first aider

- Pay attention to self-protection

4.1.7 Notes for the doctor

- Toxic cardiac inflammation is the result of oral ingestion of oxidizing substances such as peroxides.

5. FIRE-FIGHTING MEASURES

5.1 General Information and Flammable Properties

- The substance/product is non-combustible

5.2 Extinguishing media:

- Use plenty of water.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

- Cover the fire area with water from a safe place.

5.3 Unsuitable extinguishing media

- Dry chemical,
- Carbon dioxide (CO_2) or foam

5.4 Special hazards arising from the product

- When the product is crushed, caustic and acetic gases in the form of gaseous, sulfur dioxide, sulfur trioxide and ozone are released.
- It does not burn but increases the intensity of the fire.
- Expansion or degradation as a result of heating causes severe tearing of the resultant containers.
- Potentially affected containers are dangerous.
- It emits irritating, toxic or abrasive fumes.

5.5 Advice for fire-fighters

- Personnel involved in the fight against fire must wear full face masks or full protective clothing containing protective goggles and portable breathing apparatus.
- Glasses: Full face shield.
- Gloves: PVC chemical resistant type.
- Breathing apparatus: It must be particle filtered.
- Cool containers with water spray in the fire area.
- Remove personnel to safe areas.

5.6 Additional information

- Contaminated extinguishing water must be disposed of in accordance with official regulations
- Do not allow the quenching water into sewage systems.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

- Use personal protective equipment.
- Evacuate personnel to safe areas.
- Avoid inhalation of dust and vapors and skin-to-eye contact.
- Ensure adequate ventilation.
- Remove all sources of ignition (smoking, fire, sparks, etc.).

6.1.2 For emergency personnel

SMALL AMOUNT OF SPILLS:

- Remove all sources of ignition (smoking, fire, sparks, etc.).
- Avoid inhalation of dust and vapors and skin-to-eye contact.
- Check individual contact using personal protective equipment.

LARGE SPILLS:

- Remove all the staff and stay upwind.
- Call the fireman and report the situation and location of the danger.
- Use respirator and protective gloves.
- Do not allow smoking, flames or sources of ignition.
- Increase ventilation.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

6.2 Environmental precautions

- Prevent spillage from leaking into drainage or water supply.
- Gather and collect remains in sealed, labeled containers for disposal.
- Neutralize / disinfect area.
- Collect the reusable product in labeled containers for recycling.
- In case of contamination with drainage and water mains, emergency services should be consulted.
- Unsuitable discharging into the environment may cause soil and water contamination.
- Do not flush into surface water or sanitary sewer system.
- Inform authorities in case of contamination of waterways or sewers.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment

- Control personal contact by using protective equipment as required
- Use explosion-proof equipment that does not spark.
- Tools must be disinfected and the protective clothing washed before being stored and reused.
- Spills must be cleaned immediately.
- Cover and absorb spills with dry soil, sand, inert material or vermiculite.
- DO NOT mix material collected for recovery with new material.
- Do not allow contamination of organic materials to avoid subsequent explosions and fires.
- Wash the area with plenty of water and prevent the wash water from flowing into the drainage channels.
- Ventilate the affected area.
- Contain for disposal according to local / national regulations.

6.3.2 For cleaning up

- Use protective equipment while cleaning if necessary.
- Remove all potential sources of ignition, seal damaged packages.

6.3.3 Other information

- Dispose of waste material according to local, state and federal regulations.

6.4 Reference to other sections

- Dispose of contaminated material as waste in accordance with section 13.
- See Section 13.

7. HANDLING AND STORAGE

7.1.1 Precautions for safe handling

7.1.2 Protective measures

Personal preventions

- Use appropriate personal protective equipment (see Section 8).
- Avoid all kinds of individual contact, including respiration.
- Wear protective clothing and avoid contact with clothing.
- Avoid contact with moisture.
- Always wear personal protective equipment and wash clothing.
- Wash your hands with plenty of water and soap after work.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

- Keep the material away from light, heat, flammable and combustible materials.
- Keep away from cool, dry and incompatible materials.
- DO NOT return unused quantity to containers. Just receive only through the container as needed for immediate use.
- Contamination may cause heating and fire.
- NEVER eat, drink or smoke when using it.
- Use good occupational work practice.
- Observe manufacturer's storing and handling recommendations.
- Industrial hygiene standards must be adhered to in order to prevent ingestion of chemicals, skin and skin contact.
- Make sure that there is good ventilation at work.
- Smoking, eating and drinking should be prohibited in the application area.

Fire preventions

- In order to ensure safe handling of the substance or mixture, we take precautions to prevent or control both fire and aerosol and dust formation.
- Although it is not flammable, it helps the flammable materials to flare because of free oxygen.
- Do not approach sources that may create fever, do not smoke.
- Keep fire fighting equipment ready.
- See section 5.

Environmental precautions:

- Dispose of waste material according to local, state and federal regulations.

7.1.3 Advice on general occupational hygiene

- Use good occupational work practice.
- Comply with the health and safety at work laws.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Do not eat, drink or smoke when handling this product.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- The tank should be cleaned regularly, ventilation system, temperature and humidity controls should be done regularly.
- In closed, cold and dry places, it should be stored protected from heat and humidity.
- Store in original packaging.
- DO NOT PACKAGE AGAIN. Only use containers provided by the manufacturer.
- Keep containers securely sealed as supplied.
- Store away from daylight, store closed.
- Protect containers from physical damage.
- Check regularly against leaks.
- Smoking, eating and drinking should be prohibited in the application area.
- Warehouse must be dry and cool.
- Provide good ventilation.
- Note the manufacturer's storage and use recommendations.
- All materials should be kept closed in their original packaging when not in use.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

- Packing: 25 kg polyethylene bag and 1000 kg laminated polyethylene inside, non-polyethylene BİGBAG outside.

7.2.1 Advice on common storage

- Contamination of this substance should be avoided as reactivity is high and contamination can be dangerous.
- Avoid storage with reductants.
- Keep away from flammable, combustible, rubbish, and waste, and contact with these may result in severe reaction or fire.
- Although it is not flammable, it helps the flammable materials to flare because of free oxygen.
- Keep away from incompatible materials and food containers.
- It should not be stored together with easily extinguishing, explosive, toxic, radioactive, oxidizing substances.
- It may be stored together with hazardous substances, in special precautions.
- Keep away from food, drink and animal feeding areas.
- Keep away from open fire sources, sparks and heat.
- Comply with the general rules for the use of chemicals in storage

7.2.2 Specific precautions on storage

- It can be stored below 30°C for 12 months without loss of activity.
- Incompatible with acids, alkalis, halogens, reducing substances.
- Rust and metal dusts may cause catalytic degradation.
- Eyes, skin and clothing should be protected while working with sodium persulfate. When studied carefully, there is no loss of health as a crystal and solution.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Preventive industrial and medical examinations must be carried out according to the application area.
Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

8.1.1 Occupational exposure limits

- TLV: 0,1 mg/m^3 (TWA) (ACGIH 2004)

8.2 Exposure controls

- Adequate ventilation should be used during processing
- Use only in well-ventilated areas.
- Keep away from foodstuffs, beverages and animal feed.
- Remove contaminated clothing immediately.
- Wash your hands at the end of the job and after a break.
- Avoid direct contact with eyes, skin and clothes.
- Do not eat or drink anything while using this substance. Do not smoke.
- Avoid contact with eyes, body and clothing. In case of contact, plenty of water should be washed immediately.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

- Although sodium persulfate is not flammable, it helps to flare the flammable substances due to free oxygen. Decomposes without ignition to release toxic gas. In this case, full protective clothing including full face masks or protective eyewear and a portable breathing apparatus should be used.

8.2.1 Appropriate engineering controls:

- Provide local exhaust ventilation.
- In the immediate working surroundings there must be: Emergency shower installed.
- Make available sufficient washing facilities.
- Provide eye shower and label its location conspicuously.
- See Section 7

8.2.2 Personal protection equipment

8.2.2.1 Eye / Face protection:

- Chemical glasses should be full face shielded.
- Contact lenses are a particular hazard, soft lenses absorb irritating materials, and in all lenses these materials are stored and cause accumulation.
- Eye wash units should be located.

8.2.2.2 Skin protection

Hand protection

- Use chemical protective gloves, eg PVC.
- NOTE: The material creates skin sensitivity in some people. Care should be taken when removing gloves or other protective equipment to avoid contact with the skin.
- DO NOT USE cotton or cotton lined gloves.
- DO NOT use leather gloves.

Body protection

- Use chemical protective boots, eg. Rubber.
- Immediately wash the items contaminated leather shoes with a hose or make sure that the shoes are covered with PVC.
- Clothing should be PVC Apron. PVC protective clothing should be used in case of serious exposure.
- Make sure the safety shower is easily accessible.
- It specifies the type of personal protective equipment required, the local concentration, quantity and use conditions of the item.

Other protection

- Handle in accordance with good industrial hygiene and safety practice.

8.2.2.3 Respiratory protection

- Appropriate protective masks should be used.

8.2.3 Environmental exposure controls

- Legislation for the protection of the environment must be met in full.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Form/Physical state	Solid (Crystals)
Color	White
Odor	Odorless

	Value
pH (5 % in water solution)	4,0-6,0
Melting/Freezing point/range (°C)	Not applicable
Boiling point/range (°C) (%30-%50)	No data available
Flash Point (°C) (PM closed cup)	Not flammable
Auto Ignition temperature (°C)	No data available
Viscosity	No data available
Relative Density, g/cm^3 @25 °C	1,98
Volumetric Density, kg/m^3	1250
Vapour Density (Air=1)	No data available
Molecular Weight, (kg / kmol)	238,1
Specific Weight (kg / m^3)	2590
Decomposition Temperature (°C)	120
Explosion Properties	Not applicable
Oxidizing Properties	Not applicable
Solubility in water, g/l (@ 25°C)	730
Partition coefficient n-Octanol/Water (log Po/w)	No data available
Vapour Pressure	No data available

Note: The above features were determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous. Substances Regulation Section A-3 or a method comparable to the other.

10. STABILITY AND REACTIVITY

10.1 Reactivity

- No data available

10.2 Chemical stability

- Stable under recommended use and storage conditions.

10.3 Possibility of hazardous reactions

- No data available.

10.4 Conditions to avoid:

- Keep away from moisture and heat.
- Store between 2-25 °C without exposure to sunlight.

10.5 Incompatible materials:

- It may give strong reactions with acids, alkalis, halogens, reducing substances.
- Although it is not flammable, it helps the flammable materials to flare because of free oxygen

10.6 Hazardous decomposition products:

- When the product is shredded, caustic and acetic gases in the form of gas, sulfur dioxide, sulfur trioxide and ozone are released.

10.7 Hazardous polymerization:

- None.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

11. TOXICOLOGICAL INFORMATION

11.1 General Information

- Acute or chronic health hazards result from the substance.
- Primary exposure, under normal use conditions, occurs by contact with skin and eyes.

11.2 Acute toxicity

Oral:

- Type of value: LD50
- Species: rat (female)
- Value: 920 mg/kg

Oral:

- Type of value: LD50
- Species: rat (male)
- Value: 930 mg/kg

11.3 Skin corrosion/irritation and Eye damage/irritation:

Skin:

- No corrosive effect. Skin irritant.

Eye:

- No corrosive effect. Irritant to eyes.

Sensitization:

- May cause sensitization by inhalation.
- May cause sensitization by skin contact.

11.4 CMR effects (Carcinogenity) :

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

11.5 CMR effects (Mutagenicity and Toxicity for reproduction) :

- No data available concerning mutagenicity and reproductive toxicity.

11.6 Other Toxicological Effects:

Allergic Effects	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Effects on Repeated Doses Chronic Exposures	No data available
Sensitization	No data available
Developmental Toxicity (Teratogenicity)	No data available
Fertility	No data available

11.7 STOT-single/repeated exposures:

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	No data available

11.8 Symptoms related to the physical, chemical and toxicological characteristics:

In case of inhalation	The substance may cause respiratory irritation in some people. The reaction of the body to such an irritation can lead to more lung damage. People with impaired respiratory function,

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version: 2.0 | Preparation Date : 11/29/2019
Form No: 193258 | Revision Date: 11/29/2019

	respiratory tract diseases, and emphysema and chronic bronchitis may develop further disabilities in the case of particle inhalation at extreme concentrations.
In case of skin contact	This substance may cause skin irritation in contact with some people. The substance may exacerbate the pre-existing dermatitis condition on the skin. Open cuts, worn or irritated skin should not be exposed to this material. Entry into the bloodstream by means of cuts, abrasions or lesions; may cause systemic damage with harmful effects. Before using the material, examine the skin and make sure that any external injuries are adequately protected.
In case of eye contact	This substance can cause irritation and damage to eyes in some people.
In case of ingestion	Accidental oral ingestion of the material may be harmful; experiments on animals show that oral ingestion of less than 150 grams may be fatal or cause serious damage to the health of the person.

11.9 Additional Toxicological Information:

- Toxicological classifications are based on available knowledge and information
- The special effects to health are considered by taking into account the information in section 3.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

- Acute Fish Toxicity (Lepomis macrochirus) (LC50 96 hours): 771 mg/l
- Acute Daphnia Toxicity (EC50 48 hours): 133 mg/l (Water flea)
- Acute Algea Toxicity (IC50 72 hours): No data available

12.2 Photo degradation

No data available

12.3 Effects on Waste Water Treatment Plants

Not determined.

12.4 Mobility

Solid.
Soluble in water. (25° C:730 g/l)
Refer to ecotoxicity.

Water threat class	No data available
Clean Water Impact	No data available
Known or predicted environmental distribution	No data available

12.5 Results of PBT and vPvB assessment

Biotic	
Ready biodegradability:	No data available
Abiotic:	
Hydrolysis as a function of pH:	No data available
Photolysis:	No data available
Atmospheric oxidation:	No data available

Akkim

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

· **Persistence and degradability:**	
Decomposition Potential of the products	No data available
The half-life of degradation	No data available
Potential degradation of product content in the evaluation of wastewater treatment plants	No data available
· **Bioaccumulation Potential :**	
Biological environment (biota) accumulation potential	No data available
Potential - nutrients pass through	No data available
Reference Values - Log Kow , Sw and BCF	No data available

12.6 Additional information

See the sections 6, 7, 13, 14 and 15.

13. DISPOSAL CONSIDERATIONS

13.1 Product / Packaging disposal

- Dispose of the absorbed material by burning it in an appropriate facility with a license.
- Waste and used packaging must be disposed of in accordance with official regulations.
- Contact waste disposal services

13.2 Contaminated packaging

- If there is product residue in the emptied container, follow directions for handling on the container's label.

13.3 Disposal Methods

- Dispose of chemicals waste or in accordance with local regulations.
- Should not be disposed together with household garbage.
- Do not allow product to reach sewage system.
- Follow all applicable local laws, rules and regulations regarding the proper disposal of this material.

13.4 European Waste Catalogue

- The final classification has to be done together with the local waste disposal company / authority.

14. TRANSPORT INFORMATION

UN 1505, SODIUM PERSULPHATE

	ADR[7]/RID[8]	ADNR9	IMDG[10]	ICAO[11]/IATA[12]
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	UN 1505, SODIUM PERSULPHATE			
UN/ID No.	1505	1505	1505	1505
SYMBOL				
CLASS	5.1	5.1	5.1	5.1
PACKAGING GROUP	III	III	III	III
LABELLING NO	5.1			

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version: 2.0 Preparation Date : 11/29/2019
Form No: 193258 Revision Date: 11/29/2019

CLASSIFICATION CODE	O2	O2	O2	O2
HAZARD NO (HIN NO)	50			
EmS			F-A; S-Q	
MARINE Pollutant			NO	
Road Transport Notes: Passage forbidden through tunnels of category E.				

15. REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations / Legislation Specific For The Substance

Substance is found on the following regulatory lists;;

- "European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)"

15.2 Chemical Safety Assessment

No data available

15.2.1 HAZARD

CLP classification according to Annex VI of CLP (Regulation (EC) No 1272/2008)

- May intensify fire; oxidiser.
- Harmful if swallowed.
- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause respiratory irritation.

15.3 INTERNATIONAL REGULATIONS

- This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and ISO 11014:2009. This product is classified according to EU Directive GHS/CLP.

16. OTHER INFORMATION

16.1 Other information

- For additional information regarding **AK-KIM KIMYA SAN. VE TIC. ŞTİ .**products please contact the **AK-KIM KIMYA SAN. VE TIC. A.S**
- The above information complies with the 1907/2006 Directives and their amendments.
- In all cases of potential poisoning supportive therapy is of the utmost importance.

16.2 Related Person

- Doruk Chemical Management Systems, Engineering, Technology & Consultancy Inc. Co.
- Prepared by: Selçuk BİLGİN – (selcuk.bilgin@doruksistem.com.tr)
- **Specialist Accreditation No: TSE GBF-A-0-2707 21.12.2017**
- www.MsdsMarket.com ; info@doruksistem.com.tr ; 02163378383

16.3 Revision Date, Version and SDS no

- Date : November 29, 2019
- Version : 2.0
- MSDS No : 193258

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

SODIUM PERSULFATE

Version:	2.0	Preparation Date :	11/29/2019
Form No:	193258	Revision Date:	11/29/2019

16.4 Reason of re-issue

- Compiling according to Regulation (EC) No 1272/2008

16.5 Relevant H- and EUH-phrases (number and full text):

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

16.6 Legal disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification.
- Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.
- The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.
- The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

[1] SDS: Safety Data Sheet
[2] CAS: Chemical Abstract Service
[3] EINECS: European INventory of Existing Commercial
[4] CLP: Classification Laballing and Packaging
[5] GHS: Global Harmonised System
[6] CPR: It is a method that is used to give oxygen to the person when the heart stops and to restore heartbeats.
[7] ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
[8] RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
[9] ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
[10] IMDG: International Maritime Code for Dangerous Goods
[11] ICAO: International Civil Aviation Organization
[12] IATA: International Air Transport Association