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MATERIAL SAFETY DATA SHEET

SODIUM PEROXIDE GRANULAR AR **MSDS CAS: - 1313-60-6**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: SODIUM PEROXIDE GRANULAR AR

CAS#: - 1313-60-6

C.I. No.: Not available.

Synonym: Not available.

Chemical Name: Not available.

Chemical Formula: Na₂O₂

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
SODIUM PEROXIDE GRANULAR AR	1313-60-6	100

Section 3: Hazards Identification

3.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : O; R8 C; R35

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318 Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

Physical hazards : Oxidizing solids - Category 1 - Danger (CLP : Ox. Sol. 1) H271

3.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : O : Oxidizing C : Corrosive

R Phrase(s) : R8 : Contact with combustible material may cause fire.

R35 : Causes severe burns.

S Phrase(s) : S1/2 : Keep locked up and out of reach of children.

S8 : Keep container dry.

S27 : Take off immediately all contaminated clothing.

S39 : Wear eye/face protection.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

Contains : Sodium peroxide

Labelling Regulation EC 1272/2008 (CLP)

Signal words : Danger

Hazard statements : H271 : May cause fire or explosion; strong oxidizer. H314 : Causes severe skin burns and eye damage.

Precautionary statements

Section 3: Hazards Identification (Continued)

- **General** : P102: Keep out of reach of children.
P103: Read label before use.
P101: If medical advice is needed, have product container or label at hand.
- **Prevention** : P210: Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P260: Do not breathe dust, fume, gas, mist, vapours, spray.
P220: Keep away from clothing - combustible materials.
P264: Wash thoroughly after handling.
- **Response** : P371+P380+P375: In case of major fire and large quantities : Evacuate area. Fight fire remotely due to the risk of explosion.
P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.
P306+P360: IF ON CLOTHING : Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use for extinction.
- **Storage** : P405: Store locked up.
- **Disposal considerations** : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Contains : Sodium peroxide

3.3. Other hazards

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

4.1. Description of first aid measures

Inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Section 4: First Aid Measures (Continued)

Skin contact : Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. **IF ON CLOTHING :** Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor.

Eye contact : Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion : Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Causes severe skin burns and eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Flammable class : May cause fire or explosion; strong oxidizer.

Hazardous combustion products : Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Corrosive vapours.

Section 5: Fire and Explosion Data (Continued)

5.3. Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. In case of major fire and large quantities : Evacuate area. Fight fire remotely due to the risk of explosion.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

Special precautions : No naked lights. No smoking. May cause fire or explosion; strong oxidizer.

For non-emergency personnel : Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

7.1. Precautions for safe handling

Handling : Do not breathe dust, fume, gas, mist, vapours, spray. Avoid contact during pregnancy or while nursing. Wash thoroughly after handling. Take any precaution to avoid mixing with combustibles.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

Proper grounding procedures to avoid static electricity should be followed. 7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep in fireproof place.

Storage regulation : Comply with applicable regulations.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources. Combustible material.

7.3. Specific end use(s)

Specific end use(s) : None.

Section 8: Exposure Controls/Personal Protection

8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection :** Wear approved mask.
- **Hand protection :** Wear protective gloves.
- **Skin protection :** Wear suitable protective clothing.
- **Eye protection :** Chemical goggles or safety glasses.
- **Others :** When using, do not eat, drink or smoke. Wear fire, flame resistant, retardant clothing.

8.2. Control parameters

Occupational Exposure Limits : No data available.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Solid.
Colour	: Pale yellow
Odour	: Odorless
Molecular Weight	: 77.98
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 460 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: 657 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: 2,81
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Soluble in water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 12.8
Viscosity at 40°C [mm ² /s]	: N/A

Section 10: Stability and Reactivity Data

10.1. Reactivity

Reactivity : Not established.

Section 10: Stability and Reactivity Data (Continued)

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Overheating. Open flame.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

Section 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

- **Inhalation :** Based on available data, the classification criteria are not met.
- **Dermal :** Based on available data, the classification criteria are not met.
- **Ingestion :** Based on available data, the classification criteria are not met.

Corrosion : Causes severe skin burns and eye damage. Causes serious eye damage.

Irritation : Based on available data, the classification criteria are not met.

Sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Section 11: Toxicological Information (Continued)

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Section 12: Ecological Information

12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence – degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

Section 13: Disposal Considerations

13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

14.1. Land transport (ADR-RID)

Proper shipping name	: SODIUM PEROXIDE
UN N°	: 1504
H.I. nr	: --
ADR – Class	: 5.1
Labelling - Transport	: 5.1 : Oxidizing substances.
ADR – Group	: I

14.2. Sea transport (IMDG) [English only]

Proper shipping name	: SODIUM PEROXIDE
UN N°	: 1504
IMO-IMDG - Class or division	: 5.1 : Oxidizing substances.
IMO-IMDG - Packing group	: I

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name	: SODIUM PEROXIDE
UN N°	: 1504
IATA - Class or division	: 5.1 : Oxidizing substances.
IATA - Packing group	: I

Section 15: Other Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed. regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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