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SECTION I: CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Sodium Sulfate
Common Synonyms: Sodium sulfate, Anhydrous; Salt Cake, Disodium Sulfate
Chemical Family: Inorganic Salts
Formula: Na₂SO₄
Formula Weight: 142.04
CAS No.: 7757-82-6

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>WEIGHT %</u>	<u>CAS #</u>
Sodium Sulfate, Anhydrous	99 – 100	7757-82-6

<u>Component</u>	<u>Hazard</u>	<u>OSHA STEL</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Sodium Sulfate, Anhydrous	Irritant		N/E	N/E	

EXTENDED INFORMATION

SECTION III: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! MAY CAUSE IRRITATION. MAY BE HARMFUL IF SWALLOWED OR INHALED. HYGROSCOPIC. During use avoid contact with eyes, skin or clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Irritation
 SKIN CONTACT: Irritation
 INGESTION: Gastrointestinal irritation

INHALATION: Irritation of the upper respiratory tract.

CHRONIC: None identified

TARGET ORGANS: Respiratory system, Lungs.
 Primary routes of entry:
 Inhalation Ingestion
 Skin Contact Eye Contact

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None identified

SECTION III: FIRST AID MEASURES

EYE CONTACT:
 Flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT:
 Wash with soap and water for at least 15 minutes.

INGESTION:
 Do not induce vomiting. Drink plenty of water. Get medical attention.

INHALATION:
 Remove fresh air.

SECTION V: FIRE FIGHTING INFORMATION

Flashpoint (Degrees C) and Method: None
 Autoignition Temperature (Degrees C): None

FLAMMABLE LIMITS:

<u>Components</u>	<u>Upper Explosive</u>	<u>Lower Explosive</u>
	<u>Limit</u>	<u>Limit</u>
Sodium Sulfate, Anhydrous	N/A	N/A

SECTION V: FIRE FIGHTING INFORMATION

GENERAL HAZARD:
 Unusual Fire and Explosion Hazards: None Identified.

FIRE FIGHTING INSTRUCTIONS:
 Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT:
 Firefighters should wear proper protective equipment and self-contained breathing

Apparatus with full facepiece operated in positive pressure mode.

EXTINGUISHING MEDIA:

Foam Alcohol Foam CO2
 Dry Chemical Water Other

HAZARDOUS COMBUSTION PRODUCTS:

Combustion may release sulfur dioxide.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):

NFPA Hazard Rating: 0 – Insignificant 1 – Slight 2 – Moderate
 3 - High 4 – Extreme 5 – Unknown
 *- No Information

Health :0

Flammability :0

Reactivity :0

SPECIAL INFORMATION:

Contact Hazard: Slight (1)
 Explosion Data – Sensitivity to Mechanical Impact: None Identified
 Explosion Data - Sensitivity to Static Discharge: None Identified

SECTION VI: ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Wear suitable protective clothing. Sweep up and remove.

SECTION VII: HANDLING AND STORAGE

GENERAL STORAGE CONDITIONS:

Keep container tightly closed. Keep from contact with oxidizing materials. Isolate from incompatible materials.

Special Precautions: material is hygroscopic.

GENERAL HANDLING CONDITIONS:

Wash thoroughly after handling. Do not breathe dust. Do not get in eyes.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

PERSONAL PROTECTION:

RESPIRATOR:

None required where adequate ventilation conditions exist. If airborne

concentration is high, use an appropriate respirator or dust mask.

PROTECTIVE CLOTHING:

Safety goggles, rubber gloves recommended.

SECTION VIII: PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg):	N/A	Solubility in Water: 28g/100g @25°C
Specific Gravity (water=1):	2.68	pH: 6-10
Boiling Point (°C):	N/A	Physical State: Solid
Vapor Density (air=1):	N/A	Odor: Odorless
Evaporation Rate (BuAc=1):	N/A	Percent Volatile by Volume: None
Appearance:	White crystals or powder	

SECTION X: STABILITY AND REACTIVITY

GENERAL:

STABILITY:

Stable:

Unstable:

HAZARDOUS POLYMERIZATION:

Will Not Occur:

Will Occur:

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

SECTION X: STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Moisture

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of sulfur.

SECTION XI: TOXICOLOGICAL INFORMATION

GENERAL:

Sodium Sulfate, Anhydrous:

5989 mg/kg oral mouse LD50

Carcinogenicity: None identified

Reproductive Effects: None identified

CARCINOGENIC INFORMATION:

<u>Component</u>	<u>CAS#</u>	<u>Weight%</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>Other</u>
Sodium Sulfate Anhydrous	7757-82-6	99-100	No	No	No	No	No

SECTION XII: ECOLOGICAL INFORMATION

N/A

SECTION XIII: DISPOSAL CONSIDERATION

METHOD OF DISPOSAL:

Dispose of in accordance with all applicable federal, state and local environmental Regulations.

SECTION XIII: TRANSPORTATION INFORMATION

This product is not regulated by the U.S. Department of Transportation in domestic ground transportation. Other modes, such as air and water, may pose some regulatory restrictions.

Proper Shipping Name: Chemicals, n.o.s. (non-regulated)

SECTION XV: REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):

In TSCA Inventory? Yes No

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act):

Classified as a Hazardous Substance? Yes No

SARA TITLE III (Superfund Amendments and Reauthorization Act): Not Listed

CALIFORNIA PROPOSITION 65: Not Listed

SECTION XVI: OTHER INFORMATION

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N/A: Not Available, Not Applicable

N/D: Not Determined
N/E: Not Established

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