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MATERIAL SAFETY DATA SHEET
SODIUM SULFATE ANHYDROUS
July 12, 2010

SECTION I: CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Sodium Sulfate
General Use:
Common Synonyms: Sodium sulfate, Anhydrous; Sulfuric Acid, Disodium Salt; Disodium Sulfate
Chemical Family: Neutral Salts
Formula: Na₂SO₄
Formula Weight: 142.04
CAS No.: 7757-82-6
Manufacturer: Saltex, LLC

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>
Sodium Sulfate, Anhydrous	Irritant	N/E	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, lings.

Sodium Sulfate

Primary routes of entry:

Inhalation

Ingestion

Skin Contact

Eye Contact

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None identified

SECTION III: FIRST AID MEASURES

EYE CONTACT:

In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SKIN CONTACT:

In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

INGESTION:

If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

INHALATION:

If a person breathers in large amounts, move the exposed person to fresh air.

NOTES TO PHYSICIAN: None

SECTION V: FIRE FIGHTING INFORMATION

Flashpoint (Degrees C) and Method: N/A

Auto ignition Temperature (Degrees C): N/A

FLAMMABLE LIMITS:

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

Sodium Sulfate

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.

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: Appreciable

Specific Gravity (water=1): 2.68 pH: 6-10

Boiling Point (Degrees C): N/A Physical State: Sol.id
Freezing Point (Degrees C): 884 Vapor Density (air=1): N/A
Evaporation Rate (BuAc=1): N/A Percent Volatile by Volume:0
Viscosity: Odor: Odorless
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.

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:

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

SECTION XII: ECOLOGICAL INFORMATION

Environmental Fate:

When released into the soil, this material is expected to leach into groundwater. This material is not expected to significantly bioaccumulate.

Environmental Toxicity:

This material is not expected to be toxic to aquatic life. The LC50/96-hour values for fish are over 100 mg/l. The EC50/48-hour values for daphnia are over 100 mg/l.

SECTION XIII: DISPOSAL CONSIDERATION

RCRA Hazard Class: None

METHOD OF DISPOSAL:

Sodium Sulfate

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

SECTION XIII: TRANSPORTATION INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: Chemicals, n.o.s. (non-regulated)
Hazard Class: None
Identification Number: None / No UN Number assigned

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):

311/312 Hazard Categories:

Acute Chronic Flammability Pressure Reactivity None

313 Reportable Ingredients: None

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