SAFETY DATA SHEET
FOR
THORN SMITH LABORATORIES

SECTION 1 - IDENTIFICATION

Trade Name:	**Soda Ash** for Na_2CO_3
Catalog Number:	80-1510 (Vials) / 80-1511 (100g)
Product Description:	Analyzed Quantitative Unknowns
Manufacturer:	Auric Enterprises, Inc. d/b/a Thorn Smith Laboratories
Address:	7755 Narrow Gauge Road Beulah, MI 49617
Phone Number:	231-882-4672
SDS Number:	TSL-003

SECTION 2 – HAZARDS IDENTIFICATION

Classification of Substance or Mixture: Not a hazardous substance or mixture as packaged in 10g student vials or 100g containers.

GHS Label Elements, including precautionary statements: Not a hazardous substance or mixture as packaged in 10g student vials or 100g containers.

Hazards not otherwise classified (HNOC) or not covered by GHS: None

Potential Acute Health Effects:
Inhalation of dust may cause irritation to upper respiratory tract, and mucous membranes. Large ingested doses my cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause irritation to eyes and skin.

Potential Chronic Health Effects:
This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Sodium Carbonate

Formula:	Na_2CO_3
CAS No.:	497-19-8
% by Weight:	< 50

Sodium Chloride

Formula:	NaCl
CAS No.:	7647-14-5
% by Weight:	< 60

SECTION 4 – FIRST AID MEASURES

Eye Contact: Do not rub eye(s). Flush with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, seek medical attention.

Skin Contact: Remove any contaminated clothing. Wipe off excess from skin. Immediately wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhalation: If a person breathes in large amounts, move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

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

SECTION 5 – FIRE FIGHTING MEASURES

Flammability: Non-Flammable
Flash Points: Not Applicable
Auto-Iginition: Not Applicable
Flammable Limits: N/A
Extinguishing Media: Use extinguishing media appropriate to the surrounding fire.
Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and protective clothing to prevent inhalation or contact with skin and eyes.
Fire/Explosion Hazards: Toxic gases produced: oxides, carbon monoxide, carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

SECTION 7 – HANDLING AND STORAGE

Storage Temperatures: Store at ambient temperatures.
Shelf Life: Unlimited in tightly closed container.
Special Sensitivity: Heat sources, strong acids, metals, water/moisture.
Precautions to be taken in handling and storage: Store in accordance with all local, state, and federal environmental regulations. Keep away from fire and/or sparks.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Type): None where adequate ventilation conditions exist. If airborne Concentration is high, use an appropriate respirator or dust mask.
Protective Gloves: Wear protective gloves.
Eye Protection: Wear chemical safety glasses.
Ventilation To Be Used: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.
__X__ Local Exhaust __X__ Mechanical (General) _____ Special
_____ Other (Specify)
Other Protective Clothing and Equipment: Wear clean body-covering clothing. Emergency showers and eye was stations should be available.

Hygienic Work Practices: Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling. Avoid flames and fire.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Powder (Na_2CO_3); crystalline solid (NaCl).
Color: White to Grayish
Odor: Odorless
Molecular Weight: N/A
Boiling Point: N/A
Melting Point: 851ºC (1564ºF)
Solubility in Water: Appreciable (more than 10%)
Water Reactive: No
Vapor Density (Air-1): N/A
Evaporation Rate (-1): N/A

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: __X__ Stable _____ Unstable
Conditions to Avoid: Humidity
Incompatibility (Materials to avoid): Strong acids, aluminum, fluorine, oxides of phosphorus, lithium.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION: _____ May Occur __X__ Will Not Occur

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SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure: Eye Contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: Sodium Carbonate LD50 (ipr-mouse) 117 mg/kg.
Sodium Chloride LD50 (oral-rat) 3000 mg/kg; LD50 (ipr-mouse) 2602 mg/kg; LD50 (scu-mouse) 3150 mg/kg; LD50 (iv-mouse) 645 mg/kg.
Chronic Toxic Effects: Not known. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.
Acute Toxic Effects: Inhalation of dust may cause irritation to upper respiratory tract, and mucous membranes. Large ingested doses my cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause irritation to eyes and skin.
Extremely Hazardous Substance: No
CERCLA Hazardous Substance: No
SARA 313 Toxic Chemicals: No
TSCA Inventory: Yes

SECTION 12 – ECOLOGICAL INFORMATION

Not Known

SECTION 13 – DISPOSAL CONSIDERATIONS

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

SECTION 14 – TRANSPORTATION INFORMATION

Domestic (D.O.T.)
Proper Shipping Name: Chemicals, n.o.s.

International (T.M.O.)
Proper Shipping Name: Chemicals, n.o.s.

Air (I.C.A.O.)
Proper Shipping Name: Chemicals, n.o.s.

SECTION 15 – REGULATORY INFORMATION

Non-regulated.

SECTION 16 – OTHER INFORMATION

SARA TITLE III HAZARD CATEGORIES AND LISTS

Acute: Yes Chronic: Yes Flammability: No Pressure: No
Reactivity: No

Date Prepared: September 7, 1989
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