Echo Inc: Thermometer Filling

Safety Data Sheet

Section 1: Identification

Product Name: Echo Inc. glass tube thermometers

Manufacturer/Supplier: Echo Inc.

Address: 2755 Columbus Ave, Springfield, OH 45503

Emergency Phone Number: 855-639-3648

Product Use: Glass tube thermometers

Section 2: Hazard(s) Identification

Odor: No odor

Immediate health, physical and environmental hazards: none

Eye contact: No health effects are expected

Skin contact: No health effects are expected

Inhalation: No health effects are expected

Ingestion: No health effects are expected

Section 3: Composition/Information on Ingredients

Ingredients	C.A.S No.	% by Wt.
Texanol Isobutyrate	6846-50-0	97-99
Solvent Blue A	14233-37-5	1-1.5
Solvent Red 26	4477-79-6	1-1.5
Toulene	108-88-3	< .25
Isopropanol 99%	67-63-0	< .25

Section 4: First-Aid Measures

First Aid Procedures:
The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with water
Skin contact: Wash affected area with soap and water
Inhalation: No need for first air anticipated
If swallowed: Make sure all glass is removed and rinse with water.

Section 5: Fire-Fighting Measures

Flammable Properties: Flash point: 289.99 Degrees Fahrenheit
Extinguishing Media: Foam or Water but not directly on liquid, may cause frothing
Protection of Fire Fighters: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus.
NFPA: Flammable and Combustible Liquids Classification: Combustible Liquid Class IIIA

Unusual Fire and Explosion Hazards: Not applicable

Section 6: Accidental Release Measures

Accidental Release Measures: Steps to be taken in case material is released or spilled. Absorb with paper towel (wash hands). Thermometer contains <1/10th of 1 cc.

Section 7: Handling and Storage

Handling: Not applicable
Storage: Not applicable

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Not applicable

Personal Protective Equipment : Eye/Face protection: Not applicable

Skin Protection: Not applicable

Respiratory Protection: Under normal use conditions, airborne exposures are not expected to be significate enough to require respiratory protections

Prevention of Swallowing: Not applicable

Section 9: Physical and Chemical Properties

Specific Physical Form:	**Red or Blue Liquid**
General Physical Form:	**Liquid**
Auto-ignition Temperature:	**Not applicable**
Flash Point:	**289.99 degrees Fahrenheit**
Boiling Point:	**536.00 degrees Fahrenheit**
Density:	**Not applicable**
Vapor Pressure:	**0.01 mm Hg @ 77.00 Degrees Fahrenheit**
Specific Density:	**Air=1 >5.00**

Section 10: Stability and Reactivity

Stability: Stable

Materials and conditions to avoid: Strong acids, strong oxidizing agents

Section 11: Toxicological Information

Acute Oral Toxicity: Trimethyl-1,3 Pentanediol, Diisobutyrate LD 50 Rat: >3.2g/kg

Acute inhalation toxicity: Trimethyl-1,3 Pentanediol, Diisobutyrate

LD 50 Rat: >5.3mg/l, 6h

Acute dermal toxicity: Trimethyl-1,3 Pentanediol, Diisobutyrate

LD 50 Guinea pig: >18.84-18.96/kg

Section 12: Ecological Information* (non-mandatory)

- Not mandatory but keep section in document and leave empty/blank

Section 13: Disposal Considerations* (non-mandatory)

- Not mandatory but keep section in document and leave empty/blank

Section 14: Transport Information* (non-mandatory)

- Not mandatory but keep section in document and leave empty/blank

Section 15: Regulatory Information* (non-mandatory)

- Not mandatory but keep section in document and leave empty/blank

Section 16: Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1
Flammability: 2
Reactivity: 0

Revision Indicator: May 25, 2016

Disclaimer: The information contained herein is accurate to the best of our knowledge. My Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).

Section 1 Chemical Product and Company Identification

Aldon Corporation
221 Rochester Street
Avon, NY 14414
(585) 226-6177

CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300
For laboratory use only.
Not for drug, food or household use.

Product	**SODIUM CHLORIDE**
Synonyms	Common Salt / Rock Salt

Section 2 Hazards Identification

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

Signal word: Not classified
Pictograms: Not classified
Target organs: None known

GHS Classification: Not classified
GHS Label Information: Hazard statement(s): Not classified
Precautionary statement(s): Not classified

Supplementary information:
Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Sodium chloride	7647-14-5	100%	231-598-3

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Store away from acids.

Section 8 Exposure Controls / Personal Protection

Exposure Limits:

Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Sodium chloride	None established	None established	None established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical & Chemical Properties

Appearance: Solid, white crystals.
Odor: No odor.
Odor threshold: Data not available.
pH: 4.0-9.0
Melting / Freezing point: 801°C (>1473°F)
Boiling point: 1465°C (2669°F)
Flash point: Non combustible

Evaporation rate (= 1): Data not available
Flammability (solid/gas): Data not available.
Explosion limits: Lower / Upper: Data not available
Vapor pressure (mm Hg): 2.4
Vapor density (Air = 1): Data not available
Relative density (Specific gravity): 2.16 @ 25°C
Solubility(ies): 1 g/2.8 ml water at 25°C

Partition coefficient: Data not available
Auto-ignition temperature: Data not available
Decomposition temperature: Data not available
Viscosity: Data not available.
Molecular formula: NaCl
Molecular weight: 58.45

Section 10 Stability & Reactivity

Chemical stability: Stable
Hazardous polymerization: Will not occur.
Conditions to avoid: Wet conditions can cause caking and/or corrosion.

Incompatible materials: Strong acids.

Hazardous decomposition products: Electrolysis can produce chlorine gas.

Section 11 Toxicological Information

Acute toxicity: Oral-rat LD50: 3000 mg/kg
Skin corrosion/irritation: Data not available
Serious eye damage/irritation: Data not available
Respiratory or skin sensitization: Data not available
Germ cell mutagenicity: Data not available
Carcinogenity: Data not available
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
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.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: Data not available
STOT-single exposure: Data not available
STOT-repeated exposure: Data not available
Aspiration hazard: Data not available
Potential health effects:
Inhalation: Inhalation of dust leaves salty taste with mild irritation to mucous membrane in nose and throat.
Ingestion: Ingestion of large amounts (more than 0.1 pound) may cause vomiting.
Skin: Contact may cause very slight irritation.
Eyes: Contact may cause very slight irritation.
Signs and symptoms of exposure: Gross overexposure over a long period of time, results in dehydration.
Additional information: RTECS #: VZ4725000

Section 12 Ecological Information

Toxicity to fish: Lepomis macrochirus (fish, freshwater) LC50: 9,675 mg/l/96 hours
Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Crustacea) EC50: 6,175 mg/l/16 hours
Toxicity to algae: Anabaena variabilis (Algae) LC50: 23,565 mg/l/4 day
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
PBT and vPvB assessment: No data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport Information (US DOT / CANADA TDG)

UN/NA number: Not applicable
Shipping name: Not Regulated
Hazard class: Not applicable
Packing group: Not applicable
Reportable Quantity: No
Marine pollutant: No
Exceptions: Not applicable
2012 ERG Guide # Not applicable

Section 15 Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL
Sodium chloride	Listed	Not listed	Not listed	Listed	Not listed

Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Revision Date: June 30, 2015 **Supercedes:** August 20, 2014