

TEMPERING A-HTS PINK W/PAG

SECTION I - IDENTIFICATION

24 HOUR EMERGENCY ASSISTANCE: 413-452-2000 (Eastern Time) 8:00AM-5:00PM 800-424-9300 (OFF HOURS) CHEMTREC 703-527-3887 CHEMTREC INTERNATIONAL	HMIS HEALTH 2 (*=Chronic Hazard) HMIS FLAMMABILITY 0 HMIS REACTIVITY 0 HMIS PROTECTION X (See Section 8)
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HEATBATH CORPORATION

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PREPARED BY: DAVID NAGY
INFORMATION: 413-452-2000
DATE REVISED: 04/24/08 Rev4

PRODUCT NAME: TEMPERING A-HTS PINK W/PAG

DESCRIPTION..... Heat treating salt.

SECTION II - HAZARDOUS INGREDIENTS

<u>HAZARDOUS INGREDIENT</u>	<u>CAS #</u>	<u>OSHA PEL(mg/m3)</u>	<u>ACGIH TLV(mg/m3)</u>
POTASSIUM NITRATE	7757-79-1	N.E.	N.E.
SODIUM NITRATE	7631-99-4	N.E.	N.E.
SODIUM NITRITE	7632-00-0	N.E.	N.E.

N.E.=NOT ESTABLISHED

N.A.=NOT APPLICABLE

T.S.=TRADE SECRET

*OSHA-PEL and ACGIH-TLV are 8-Hour TWA unless otherwise noted.

*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the composition (0.1% or greater for carcinogens).

SECTION III - PHYSICAL DATA

BOILING POINT: N.A.	SPECIFIC GRAVITY (H2O=1): N.A.
VAPOR PRESSURE: N.A.	MELTING POINT: 288 F
VAPOR DENSITY (AIR=1): N.A.	EVAPORATION RATE: N.A.
SOLUBILITY IN WATER: complete.	pH: N.A.
APPEARANCE: odorless, pink powder.	

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: None.	FLAMMABLE LIMITS: None.
LOWER FLAME LIMIT N.A.	HIGHER FLAME LIMIT N.A.

IN CASE OF FIRE: Do NOT use water on a molten salt bath - potential explosion hazard. Carbon dioxide or dry chemical may be used for material around the immediate vicinity of the salt bath. Water may be used on granular/powder material. Wear protective clothing with self-contained breathing apparatus.

UNUSUAL FIRE HAZARDS: Oxidizer-increases the flammability of organics, combustibles and easily oxidizable materials. Contact of hot salt with combustibles may cause fire. Decomposes rapidly when heated over 1100° F. Hazardous fumes may be released under thermal decomposition.

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID: temperatures >1100 F

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INCOMPATIBLE MATERIALS: acids, ammonium or magnesium compounds, combustibles, organics and reducing agents
- particularly cyanides, cyanates and sulfates.

DECOMPOSITION PRODUCTS: oxides of nitrogen under thermal decomposition.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH DATA

ROUTES OF ENTRY: eye/skin contact, inhalation, ingestion.

EMERGENCY OVERVIEW:

Contains OXIDIZER - it will support the combustion of organic material. May cause eye, skin and respiratory tract irritation. May be harmful or fatal if swallowed. Avoid contact with eyes, skin or clothing. Avoid breathing dust. May react with certain amines to form carcinogenic nitrosamine compounds.

ACUTE EFFECTS OF OVEREXPOSURE:

EYE CONTACT: May cause irritation, redness, itching, and pain.

SKIN CONTACT May cause skin irritation, especially when skin is wet.

INHALATION: May cause cough, irritation to the respiratory tract and mucous membranes. Dusts are soluble and may result in toxic effects similar to ingestion.

INGESTION: Harmful or fatal if swallowed. Ingestion can result in irritation to the gastrointestinal tract causing nausea, vomiting and diarrhea. May result in conversion of hemoglobin to methemoglobin { producing cyanosis (blue skin) } and a marked fall in blood pressure, leading to collapse, coma and possibly death.

CHRONIC EFFECTS OF OVEREXPOSURE: May result in damage to the mucous membranes.

CARCINOGENICITY: None. **NTP?:** No. **IARC?:** No. **OSHA?:** No.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

ADDITIONAL TOXICITY INFORMATION: Sodium Nitrite: LD₅₀ (oral, rat) 132 mg/kg
LC₅₀ (inhalation, rat) 5.5 mg/m³/4 hrs
Some animal studies have shown mutagenic and reproductive effects with chronic exposure at very high concentrations.

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. EYES: Hold eyelids apart and flush with running water for at least 15 minutes. Get medical attention. SKIN: Wash affected area with soap and water. Remove contaminated clothing. If irritation persists, see a physician. INGESTION: If conscious, give plenty of water. Induce vomiting. Get medical attention.

SECTION VII – PRECAUTIONS / PROCEDURES

IN CASE OF SPILL: Sweep up material into a chemical waste container. Flush spill area with water. Molten Spill: Use clean dry sand to dike and contain spill. Allow molten spill to cool and solidify, then sweep & shovel material into a chemical waste container.

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste.

PRECAUTIONS: Use with adequate ventilation. Store in a cool, dry place away from combustibles. Wear proper protective clothing when using this product. Wash thoroughly after handling.

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OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage.

SECTION VIII – SPECIAL PROTECTION

VENTILATION:..... provide good air dilution.
MECHANICAL EXHAUST use as required to maintain a well-ventilated area.
LOCAL EXHAUST use as required to maintain a well ventilated area.
RESPIRATORY PROTECTION: use NIOSH/OSHA approved respirator if dust, fumes or vapors are excessive.
PROTECTIVE GLOVES: rubber or other chemical resistant type.
EYE PROTECTION: safety goggles and/or face shield.
OTHER PROTECTIVE EQUIPMENT ... apron, boots, full cover work clothes. eye wash and emergency shower.
WORK/HYGIENIC PRACTICES..... wash thoroughly after handling, launder clothes.

SECTION IX – REGULATORY INFORMATION

D.O.T. SHIPPING DESCRIPTION: See product container label for proper D.O.T. description.

SARA 311/312 HAZARDS: **Immediate (Acute)** True
Chronic* False
Fire True
Sudden Release-of-Pressure..... False
Reactive False

TSCA Status: All components within this product are listed on the TSCA Inventory.

* This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. Copying and redistribution of this MSDS must include this notification. Do not detach or separate this section from the above MSDS.

<u>HAZARDOUS COMPONENT</u>	<u>CERCLA RQ LBS.</u>	<u>SECT 302 TPQ LBS.</u>	<u>SECT 313* TOXIC</u>	<u>% by Wt.</u>
NITRATES, WATER DISSOCIABLE (REPORTED AS NITRATE ION [NO ₃])	N.A.	N.A	SOLUTION	50 Max
SODIUM NITRITE	100	N.A.	YES	41-60

MSDS Change History:

Rev1 Initial issue.
 07/25/01 Rev2
 02/04/08 Rev3 Format update (Sec. 1-9)
 04/24/08 Rev4 Update Sec. 9

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