

MATERIAL SAFETY DATA SHEET  
TEMPERING A-HTS PINK/PETRO AG

SECTION I - IDENTIFICATION

24 HOUR EMERGENCY ASSISTANCE:

413-543-3381 (EASTERN TIME) 8:00AM-5:00PM  
800-424-9300 (OFF HOURS) CHEMTREC

HMIS HEALTH 2  
HMIS FLAMMABILITY 0  
HMIS REACTIVITY 0  
HMIS PROTECTION X

HEATBATH CORPORATION  
107 FRONT STREET  
INDIAN ORCHARD, MASS. 01151

PREPARED BY: DAVE NAGY  
INFORMATION: 413-543-3381  
DATE REVISED: 12/01/97 REV.01

PRODUCT NAME..... TEMPERING A-HTS PINK/PETRO AG

DESCRIPTION..... Heat treating salt.

DOT CLASS: OXIDIZING SUBSTANCES, SOLID, N.O.S. (CONTAINS SODIUM NITRATE,  
SODIUM NITRITE AND POTASSIUM NITRATE), 5.1, UN 1479, PG III, RQ

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	PEL(MG/M3)	TLV(MG/M3)	%
POTASSIUM NITRATE	7757-79-1	N.E.	N.E.	40-50
SODIUM NITRATE	7631-99-4	N.E.	N.E.	10-20
SODIUM NITRITE	7632-00-0	N.E.	N.E.	30-40

N.E.=NOT ESTABLISHED

N.A.=NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING Point(F)..... decomposes SPECIFIC GRAVITY (H2O=1).... 2.15  
VAPOR PRESSURE (mm Hg).....N.A. MELTING POINT..... 288 F  
VAPOR DENSITY (Air=1)..... N.A. EVAPORATION RATE.....N.A.  
SOLUBILITY IN H2O..... complete. PH.....N.A.  
APPEARANCE/ODOR.....odorless, pink powder.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... None. FLAMMABLE LIMITS.....None.  
LOWER FLAME LIMIT..... N.A. HIGHER FLAME LIMIT..... N.A.  
IN CASE OF FIRE: Use flooding amounts of water.  
SPECIAL FIREFIGHTING PROCEDURES: If salt is molten, use dry sand. Wear  
protective clothing with self-contained breathing apparatus.  
UNUSUAL FIRE HAZARDS: Decomposes rapidly when heated over 1100 F.  
Oxidizer-increases the flammability of organics, combustibles and easily  
oxidizable materials. Contact of hot salt with combustibles may cause fire.  
Hazardous fumes may be released under thermal decomposition.

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE CONDITIONS TO AVOID: temperatures >1100 F  
INCOMPATIBLE MATERIALS: ammonium salts, cyanides, reducing agents, strong  
acids. combustibles.  
DECOMPOSITION PRODUCTS: oxides of nitrogen under thermal decomposition.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: inhalation, ingestion.

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**TEMPERING A-HTS PINK/PETRO AG**

**HEALTH HAZARDS (ACUTE,CHRONIC):** Contains OXIDIZER. Contact with other material may cause fire. 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.

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

**SYMPTOMS OF EXPOSURE:** eye, skin and respiratory tract irritation. If ingested, may cause nausea, vomiting, cyanosis, headache and loss of consciousness. May react with secondary amines to form nitrosamines a potential carcinogen.  
**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** not known.

**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.

**WASTE DISPOSAL METHOD:** Dispose in accordance with federal, state and local regulations.

**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.

**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**

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved respirator if dust, fumes or vapors are excessive. **VENTILATION:** provide good air dilution.

**MECHANICAL EXHAUST..... X.** **PROTECTIVE GLOVES:** heat-resistant type.

**LOCAL EXHAUST..... X.** **EYE PROTECTION:** face shield.

**OTHER PROTECTIVE EQUIPMENT.....** apron, boots, full cover work clothes.

**WORK/HYGIENIC PRACTICES.....** wash thoroughly after handling, launder clothes.

**SECT IX -SARA TITLE III INFORMATION**

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313 TOXIC	SECT.311/312 HAZARDS
POTASSIUM NITRATE	N.A.	N.A.	(SOLUTION)	A,C
SODIUM NITRATE	N.A.	N.A.	(SOLUTION)	A,C
SODIUM NITRITE	100	N.A.	YES	A,C

A=IMMEDIATE (ACUTE) HEALTH HAZARD      B=DELAYED (CHRONIC) HEALTH HAZARD  
 C= FIRE HAZARD      D=SUDDEN RELEASE OF PRESSURE HAZARD      E=REACTIVE HAZARD