



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Potassium Nitrite

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

P.O. Box 8, N4335 Temkin Rd.

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

01-18-2007

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

CAS #

OSHA PEL

ACGIH TLV

Other Limits

Recommended

% (optional)

Potassium Nitrite

7758-09-0

Not available

Not available

Not available

Section III - Physical/Chemical Characteristics

Boiling Point

Not available

Specific Gravity (H2O = 1)

Not Applicable

Vapor Pressure (mm Hg)

Not available

Melting Point

Decomposes

Vapor Density (AIR = 1)

2.90

Evaporation Rate (Butyl Acetate = 1)

Not available

Solubility in Water

Complete.

Appearance and Odor

White to yellow crystals

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)

Nonflammable

Flammable Limits

LEL

UEL

Not applicable

Not applicable

Extinguishing Media

Use large quantities of water. or foam. Do not use dry chemical.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Powerful oxidizing material.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Avoid contact with organic and other incompatible materials; heat
	Stable	X		

Incompatibility Materials to Avoid

Decomposes to nitrate in air. Combustible materials, reducing agents

Hazardous Decomposition or Byproducts

Nitrogen oxides

Hazardous Polymerization	Conditions to Avoid		
	May Occur		Will not polymerize.
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

INHALATION: Irritation, symptoms similar to ingestion. SKIN: May cause irritation, symptoms similar to ingestion are possible. EYES: Causes irritation, redness and pain.

INGESTION: If swallowed, may cause irritation to mucous membranes or death.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

INHALATION: Irritation, cough, difficulty breathing, sneezing. SKIN/EYES: Irritation, redness and/or swelling, burns.

INGESTION: cyanosis, nausea, vertigo, vomiting, collapse, abdominal pain, coma, convulsions and death.

Medical Conditions Generally Aggravated by Exposure None identified.

Emergency and First Aid Procedures EYES: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart.

Seek medical attention. SKIN: Immediately wash contaminated areas with water for at least 15 minutes,

INGESTION: **Give 1-2 glasses of water. Contact medical assistance immediately!**

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

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled Keep combustibles from spilled material. Do not touch material. For small spills: shovel or sweep up the material; do not return spilled material to original container. Transfer to clean container. To clean floors, flush with abundant quantities of water.

Waste Disposal Method Observe all federal, state, and local regulations when disposing of this material.

Precautions to be Taken in Handling and Storing Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a corrosion-resistant area. Protect against physical damage, light. Maintain adequate ventilation. Do not ingest or breathe vapors. Protect exposed tissues. Store away from heat and combustible materials. Material hygroscopic.

Other Precautions Avoid storage with oxidizable materials. Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation	Local Exhaust	<u>Necessary</u>	Special	<u>Safety shower nearby.</u>
	Mechanical (General)	<u>Recommended.</u>	Other	<u>Eye wash nearby.</u>

Protective Gloves Appropriate chemical-resistant gloves. Eye Protection Chemical safety goggles

Other Protective Clothing or Equipment Body covering clothing or plastic apron.

Work /Hygienic Practices Wash exposed areas thoroughly with soap and water after handling. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse. Do not wear contact lenses when handling this product. Do not ingest. Do not breathe vapors. **OXIDIZER.**

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