

MATERIAL SAFETY DATA SHEET

Product Name : 129

Date Issued : January 17, 2012

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: 129

Chemical Synonym / C# : c129

Formula : Multi-component mixture

Chemical Family: Alkaline detergent

Supplier : Specialty Chemicals Inc. 208 Widedon Landing Hilton, NY 14468

Information Telephone : (585)752-2320

Emergency Telephone : (607)529-3218

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)	ACGIH TLV (mg/m3)	
			TWA	STEL
Sodium Nitrite	7632-00-0	<5	-	-
Tetra Potassium Pyrophosphate	7320-34-5	10.0	-	-

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

SECTION 3 : HAZARD IDENTIFICATION

Emergency Overview : Solutions and powders are severe eye irritants, and prolonged or repeated contact may cause skin irritation. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire MSDS for a more thorough evaluation of the hazards.

POTENTIAL HEALTH EFFECTS: Acute: May cause severe irritation to the eyes. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract.

Chronic: May cause irritation of the skin, respiratory airways, mucous membranes and eyes.

Inhalation: No test data found for this product.

Skin Contact: No test data found for this product.

Eye Contact: No test data found for this product.

Ingestion: No test data found for this product.

SECTION 4 : FIRST AID MEASURES

General:

Eye Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

Skin Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes. If irritation persists, contact a physician for treatment.

Inhalation: Move victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water or milk, then drink dilute vinegar, lemon juice, orange juice, or soda if conscious.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point : None **Method Used:** N/A **Flammable Limits:** LEL = N/A UEL = N/A

Extinguishing Media: None required.

Fire Fighting Procedures: Use caution when fighting any fire. Adequate respiratory protection is essential.

Unusual Fire and Explosion Hazards: None known.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Small Spill: Absorb with suitable absorbant such as sand or vermiculite.

Large Spill: Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

Solid spill: Sweep up and return to container.

Deactivating Chemicals: Mild acids such as dilute phosphoric will bring the pH to a neutral range.

SECTION 7 : HANDLING AND STORAGE

Handling: Handle with care. Wash thoroughly after handling. Launder contaminated clothing before reuse.

Storage Requirements: Keep container closed. For Industrial and commercial use only!

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None required.

Ventilation / Local Exhaust : General room ventilation.

Ventilation / Mechanical Recommendations: None required.

Skin Protection: Vinyl or rubber protective gloves.

Eye Protection: Goggles or face shield.

Other Protective Equipment: Vinyl apron (optional).

Exposure Guidelines: See section 2 for ACGIH recommendations for each hazardous ingredient.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Clear yellow-green, odor nil.

Water Solubility: Complete

pH (1%): 10.0

Specific Gravity: 1.13 **Boiling Point (°F):** 212+

Evaporation Rate(water=1): N/A

% volatile: N/A

Vapor Density(air=1): N/A

Vapor Pressure(mmHg): N/A

SECTION 10 : STABILITY AND REACTIVITY

Hazardous Decomposition Products: None.

Chemical Stability: Stable.

Conditions to Avoid: Splashing solutions, prolonged skin contact.

Incompatibility with other Substances: Acids

Hazardous Polymerization: Will not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Data: Toxicological studies were not performed on the blended product, although it is considered to be a severe eye irritant, and moderately irritating to the skin.

Toxicological Data (for sodium nitrite):

LD50 (oral, rat) = 180 mg/kg

LD50 (oral, rabbit) = 186 mg/kg

POTENTIAL HEALTH EFFECTS: Acute: Eye irritation, rabbit, 500mg/24 hr; mild.

Chronic: Multiple reproductive tests indicate that sodium nitrite is not teratogenic. Fetal toxicity has been demonstrated in pregnant animals fed toxic doses of sodium nitrite. This is due to the formation of methemoglobin.

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Carcinogenicity: This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

SECTION 12 : ECOLOGICAL INFORMATION

Exotoxicological Information (for sodium nitrite):

17.1 ppm/24hr./minnow/no effect/fresh water.

7.5 ppm/48hr./mosquito fish/TLM/fresh water.

Environmental Effects: No information found.

Persistence and Degradation: No information found.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Method: Neutralize spent solutions to an acceptable pH level. Allow oils to separate and decant if possible. Detergent portion is 100% biodegradable.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No

If yes, the RCRA ID number is : N/A

SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (866)302-6855*

*Please refer to c# referenced in section 1 of this msds.

DOT Proper Shipping Name: Not Regulated (Compound, cleaning, liquid, NOIBN)

DOT Hazard Class / Product Identification Number / Packing Group / DOT Label:
NOIBN

SECTION 15 : REGULATORY INFORMATION

US FEDERAL REGULATIONS :

TSCA (Toxic Substances Control Act) Status :

TSCA INVENTORY STATUS : Sodium Nitrite listed on TSCA Inventory of Chemical Substances

OTHER TSCA ISSUES : Sodium Nitrite requires export notification (Section 12b) and is subject to SNUR if used in metalworking fluids (40CFR721.4740).

CERCLA RQ - 40 CFR 302.4(a) : "Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

<u>INGREDIENT NAME</u>	<u>SARA / CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
Sodium Nitrite	100	none

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center (800) 424-8802 and to your Local Emergency Planning Committee.

SARA 311/312 Classification - 40 CFR 370.2 : Immediate (as Sodium Nitrite)

SARA 313 Components - 40 CFR 372.65: The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

<u>INGREDIENT NAME</u>	<u>COMMENT</u>
Sodium nitrite	none

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INTERNATIONAL REGULATIONS:

WHMIS CLASSIFICATION (CANADA) :

Sodium nitrite C, D1B, D2B

FOREIGN CHEMICAL CONTROL INVENTORY STATUS :

Sodium nitrite listed on Canadian DSL and EU's EINECS (EINECS # : 231-555-9)

STATE AND LOCAL REGULATIONS:

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<u>INGREDIENT NAME</u>	<u>WEIGHT%</u>	<u>COMMENT</u>
No ingredients listed in this section.		

Other Regulations / Legislation which apply to this product: None known.

SECTION 16 : OTHER INFORMATION

NFPA Rating : **HEALTH:** 1 **FLAMMABILITY:** 0 **REACTIVITY:** 0
NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

Information and data compiled to compose this MSDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.