

Material Safety Data Sheet Metal Bright

Section 1. Chemical Product and Company Identification

Product Name	Metal Bright	
Product Number	NTA MB	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	October 22, 2012	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview **This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

DANGER!

Keep out of reach of children.
Keep container closed during storage. Ensure that eyewash stations and safety showers are proximal to the work-station location. S24/25- Avoid contact with skin and eyes.

Potential Acute Health Effects Corrosive to skin and eyes on contact, liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, Characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death.

Routes of Entry Eye Contact, Skin contact, Ingestion, INHALATION.

Eyes Burning and irritation. May cause acid burns

Skin Burning and irritation. May cause acid burns

Inhalation Burning and irritation to respiratory tract. Avoid inhalation of vapor

Ingestion Burning and irritation to mucous membranes. Do not ingest

Medical conditions aggravated by exposure: Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target Organs

Environmental Effects Not available

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Hydrochloric Acid	7647-01-0	10		5/5
Phosphoric Acid	7664-38-2	30		1/1

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
Ingestion	If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Eye Contact	Flush with water and apply isotonic solution. Seek prompt medical attention
Skin Contact	Wash area with soap and water. Apply topical burn cream
Inhalation	Get person to fresh air. Seek medical attention if irritation continues
Ingestion	Drink large amounts of water followed by milk of magnesia or solution of baking soda and water. Do not induce vomiting
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	Not available

Section 5. Fire Fighting Measures

Flammability	Non flammable
Fire Fighting Media and instructions	Not available
Products of Combustion	Not available
Special Remarks on Fire Hazards	Product is non-Flammable, However, it can react with metals to produce hydrogen, a flammable gas
Special Remarks on Explosion Hazards	Product is non-Flammable, However, it can react with metals to produce hydrogen, a flammable gas
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	Not available
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Face shield. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Corrosive liquid. Avoid to runoff to sewers and waterways. Wear protective clothing. Absorb with inert material. Contact your local Emergency planning commission for further instructions. Dilute concentration of acid with large volumes of water. Neutralize acid with a solution of sodium hydroxide and water. Take care during the process of neutralization. Use safety equipment
Environmental Precautions	See Methods for Containment
Methods for Clean Up	See Methods for Containment

Section 7. Handling and Storage

Precautions	Keep locked up. Keep container dry. DO NOT INGEST. Do not breath the gas, fumes, vapor or spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or label. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Incompatibility	Strong alkalis, most metal, bleach. Alkalis incompatible with chlorinated solvents. Incompatible with alcohols and wide variety of metals
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room. Not for use or storage in or around the home. Keep out of reach of children. For Institutional and Commercial Use

Keep out of reach of children.

Keep container closed during storage. Ensure that eyewash stations and safety showers are proximal to the work station location. S24/25- Avoid contact with skin and eyes.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection Good general ventilation should be sufficient to control airborne levels.

Eyes Splash goggles or Face Shield.

Body Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Impervious gloves

Protective Clothing (Pictograms)



Exposure Limits

Section 9. Physical and Chemical Properties	
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Physical State and Appearance	Green Liquid
Molecular Weight	N/A
Ph	1
Boiling/Condensation Point	212
Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): 1.114
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): N/A
Dispersion Properties	N/A
Solubility	N/A
The Product is:	
Auto-ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	Not applicable
Fire Hazards in Presence Of Various Substances	Product is non-Flammable, however, it can react with metals to produce hydrogen, a flammable gas
Explosion Hazards in Presence of Various Substances	Product is non-Flammable, however, it can react with metals to produce hydrogen, a flammable gas
Odor	Slight HCL/Perfume
Color	Green

Section 10. Stability and Reactivity Data	
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Stability	The product is stable.
Incompatibility with Various Substance	Heat evolution and spattering may result if mixed with strong alkaline products
Hazardous Decomposition Products	Hydrogen chloride gas

Section 11. Toxicological Information

Routes of Entry	Skin Contact. Ingestion. Eye Contact.
Toxicity to Animals	
Acute Effects on Humans	
Eyes	Burning and irritation. May cause acid burns
Skin	Burning and irritation. May cause acid burns
Inhalation	Burning and irritation to respiratory tract. Avoid inhalation of vapor
Ingestion	Burning and irritation to mucous membranes. Do not ingest
Chronic Effects on Humans	Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	No additional remark

Section 12. Ecological Information

Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely.
Toxicity of the Products of Biodegradation	Not available
Special Remarks on the Products of Biodegradation	Not available

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Waste material which has been diluted and neutralized may be flushed to sewer. Empty container may be disposed of in an approved land fill site.

Section 14. Transport Information

DOT (U.S.A.)
(Pictograms)



TDG Classification

PIN UN, Proper Shipping Name, PG Shipping Name: UN 1760, Corrosive Liquid NOS(Phosphoric Acid)8,PGIII

Maritime Transportation Not available

Special Provisions for Transport Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists No products were found

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications HCS (U.S.A.) HCS Class: Corrosive Liquid. HCS Class: Toxic.

USA Regulatory Lists This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL)
SARA 302 Extremely Hazardous Substances - Not listed
SARA 311 - 1. Immediate (acute) health hazard
SARA 313 Toxic Chemical List – Listed

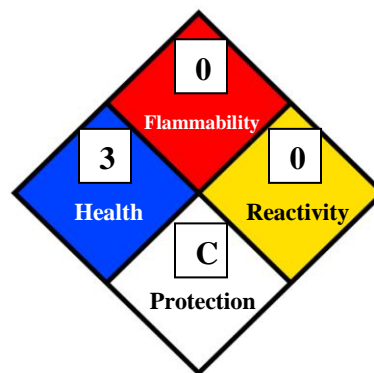
DSD (EEC) R22- Harmful if swallowed.
R35- Causes severe burns.

International Regulations Lists No Products were found.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



WHMIS (Classification) WHMIS CLASS E: Corrosive Liquid. WHMIS CLASS D-1: Material causing immediate and serious toxic effects.

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry Date 3 (Three Years) from the date of preparation indicated in Section 1.

Validated by Verified by

Printed

Information Contact

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on NuTech Specialties, Inc.