



Rust Bullet® Metal Blast

MATERIAL SAFETY DATA SHEET

Updated March 26, 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rust Bullet® Metal Blast CAS Number: Mixture
Chemical Name & Synonyms: Blend
Trade Names & Synonyms: Rust Bullet® Metal Blast Rust Dissolver, Surface Cleaner and Conditioner

Company Identification: **Rust Bullet® LLC**
300 Brinkby Avenue; Suite 200
Reno, NV 89509
775-829-5606 (For product information) 800-424-9300 or 202-483-7616 (CHEMTREC: For emergencies)

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Name	Amount (optional)	CAS Number	TLV
2-Butoxyethanol	1-5%	111-76-2	ACGIH: 20ppm

California Prop 65: This product does NOT contain ingredients which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product contains known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains NO known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW - WARNING!
CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

HMIS Rating: Health – 2, Flammability - 0, Reactivity - 1 Personal Protection Index – C
NFPA Rating: Health - 2, Flammability - 0, Reactivity - 1
NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).
Protective Equipment: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES;

Potential Health Effects

Acute Inhalation: Inhalation can cause severe irritation of mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. High concentrations may cause lung damage. An irritant to the nose, throat, and upper respiratory tract.

Chronic Inhalation: Chronic exposure to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include loss of memory, loss of intellectual ability and loss of coordination.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

Skin Contact: Causes irritation to skin. Symptoms include redness, itching, and pain. Repeated or prolonged contact with the skin has a defatting effect and may cause dryness, cracking, and possibly dermatitis.

Eye Contact: Causes irritation, redness, and pain.



Rust Bullet® Metal Blast

MATERIAL SAFETY DATA SHEET

Updated March 26, 2010

Chronic Exposure: None Reported.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

Carcinogenicity: None of the components of this product are listed by the NTP, IARC, or regulated by OSHA as carcinogens.

Medical Conditions Aggravated by Exposure: None Reported.

Exposure Limits: Not established for product as a whole. Refer to Section II for exposure limits of hazardous constituents.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. Give large amounts of milk or water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

NOTE TO PHYSICIAN

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation frequently.

Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of the product.

5. FIRE FIGHTING MEASURES

Fire: Flash point: Not Flammable

Autoignition temperature: No Data

Flammable limits in air % by volume: LEL: N/D UEL: N/D

Explosion: Containers heated in a fire may swell and burst.

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide. Use any means to control surrounding fire.

Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters during a fire. Explosive rupture is possible.



Rust Bullet® Metal Blast

MATERIAL SAFETY DATA SHEET

Updated March 26, 2010

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

7. HANDLING AND STORAGE

Protect against physical damage. Store in a cool, dry well-ventilated location, Outside or detached storage is acceptable. Separate from incompatibles. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Storage Temperature (min/max): 32°F. (0°C.)/121°F. (50°C)

Shelf Life: 24 months at 77°F. When unopened.

HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied.

STORAGE PRECAUTIONS: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits: See Section 2

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a full facepiece respirator with organic vapor cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.



Rust Bullet® Metal Blast

MATERIAL SAFETY DATA SHEET

Updated March 26, 2010

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid	COLOR: Pale Yellow
ODOR: Mild	FLAMMABLE LIMITS: LEL: N/D UEL: N/D
SOLUBILITY IN WATER: soluble	VISCOSITY: N/A
MELTING/FREEZING POINT: N/D	BOILING POINT: N/D
EVAPORATION RATE (BuAc=1): Slower than ether	FLASH POINT: None to Boil
AUTOIGNITION TEMPERATURE: N/D	VAPOR DENSITY (Air=1): Heavier than air
% VOLATILES BY VOLUME @ 21°C (70°F): <5	VAPOR PRESSURE (mm Hg): N/D @ 25°C
SPECIFIC GRAVITY: 1.104 Kg/l (8.012 #/gallon)	PH: Acidic
VOLATILE ORGANIC COMPOUNDS (VOC #/gal): 46 g./liter	

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage. Heat will contribute to instability. Slowly decomposed by moisture.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Avoid contact with strong oxidizers or strong alkalis.

Conditions to Avoid: Can cause some corrosion to copper alloys and aluminum.

11. TOXICOLOGICAL INFORMATION

Acute effects: stinging eyes. Vapor inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause irritation. Ingestion may cause health problems including stomach pain and sting, nausea and sickness.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		
	Known	Anticipated	IARC Category
2-Butoxyethanol (111-76-2)	No	No	None

12. ECOLOGICAL INFORMATION

Environmental Fate:

When released into the soil, this material may leach into groundwater. When released into water, this material may biodegrade to a moderate extent. This material is not expected to significantly bioaccumulate.



Rust Bullet® Metal Blast

MATERIAL SAFETY DATA SHEET

Updated March 26, 2010

Environmental Toxicity: No Data Available.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.) –	Not Regulated Material
International (Water, I.M.O.) –	Not Regulated Material
ADR:	N/A
PRODUCT LABEL:	Rust Bullet Metal Blast
UN NUMBER:	N/A
D.O.T. HAZARD CLASS:	N/A
PACKING GROUP:	N/A
PRODUCT RQ (LBS):	N/A
D.O.T. SHIPPING NAME:	Iron rust removing or preventing compound, NOBIN
SPECIAL PROVISIONS:	N.A

International (Air, I.C.A.O.) & Domestic (AIR): Non-Regulated Material (Containers < 20-Liters)

AIR-CARGO:	Packing Instructions:	310	Maximum Quantity:	220L
AIR-PASS.:	Packing Instructions:	309	Maximum Quantity:	20L
	Special Instructions:	--		

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS: OSHA Classification: Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Chemical Weapons Convention: No **TSCA 12(b):** No **CDTA:** No

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: N/A

Poison Schedule: None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: ENCS (Japan), Korea, Australia, China (Draft), PICCS (Philippines), Japan (ENCS).



Rust Bullet® Metal Blast

MATERIAL SAFETY DATA SHEET

Updated March 26, 2010

16. OTHER INFORMATION

Label Hazard Warning: HARMFUL IF SWALLOWED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

Label Precautions: Avoid breathing vapor. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Label First Aid: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, give large amounts of water or milk to drink. Never give anything by mouth to an unconscious person. In all cases, get medical attention.

Prepared By: Donato Polignone
Approval Date: March 26, 2010

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Supersedes Date: May 22, 2008

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998).

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END OF MSDS