

Safety Data Sheet

Note: Read and understand Safety Data Sheet before handling or disposing of product.

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Material Identity: BlastX 108
Synonym: Industrial Passivating/Cleaning Solution
Relevant Identified Uses: Metal surface passivation and flash rust inhibition. No other uses recommended for this product.
Distributor: SOHO Technology Solutions Pty Ltd
PO Box 700
Helensvale QLD 4212
Email: info@blastx.com.au
Emergency Number: Poisons Information Centre, Westmead NSW Australia Ph:1800 251 525

2. HAZARD IDENTIFICATION

Physical Hazards: None as defined by GHS Hazard Classification. **GHS Label:**

Signal Word: WARNING

Product classification: Mixture

Hazard Classification: Effects of overexposure

Eye Irritant 2: H319; Causes serious eye irritation

Skin Irritant 2: H315; Causes mild skin irritation

Ingestion: May cause gastrointestinal irritation.

Inhalation: None currently known

Precautionary Statements:

P102: Keep out of reach of children and untrained users.

P103: Read directions before use.

P280: Wear protective gloves and eye/face protection.

P264: Wash hands after handling the product.

P270: Do not eat or drink when using this product. Do not mix with other products.

Environmental Hazards: None known. All components are readily biodegradable (Section 12).

Other Hazards: Does not meet the criteria for PBT (Persistent, Bioaccumulative & Toxic) or vPvB (very Persistent & very Bioaccumulative)



3. COMPOSITION INFORMATION ON INGREDIENTS

COMPOSITION:

Alkanolamines: <=30%

Oter Non Hazardous Ingredients: 70 to 80%

Specific chemical composition has been withheld as a trade secret. See 29 CFR 1910.1200 (i)(1)(iii)

4. FIRST AID MEASURES

Eyes: P306+P351+P338: Flush with water immediately, occasionally lifting upper and lower lids. Check and remove any contact lenses. P313+P337: If irritation persists, contact a physician.

Skin: P303+P353: Flush effected area with plenty of water. P306+P360+P363: Remove contaminated clothing and shoes; flush contaminated skin with water for at least 15 minutes. P313: Seek medical attention if symptoms persist.

Ingestion: P301+P330+P331: Wash mouth out with water. If swallowed, drink milk, raw egg white, Mucilage, Milk of Magnesia, or gelatin solution. If these are not available, drink large quantities of water. Move exposed person to fresh air. P313: If irritation continues, contact a physician. Never give anything by mouth to unconscious person.

Inhalation: P304+P340: Remove victim to fresh air and keep at rest in position comfortable for breathing. P313: Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed; exposed person may need to be kept under medical surveillance.

5. FIRE-FIGHTING MEASURES/ EXPLOSIVE HAZARDS

Flash Point: Non-Flammable

Flammability Limits: N/A Explosive

Hazards: None Known

Extinguishing Media: Any appropriate media, generally water.

Unusual Fire & Explosive Hazards: None indicated.

Special Protective Equipment for Fire-Fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face piece operated in positive pressure mode.

Special Exposure Precautions: Isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

Hazardous By-Products: None Known

National Fire Protection Hazard Ratings- NFPA(R)

1 Health Hazard- Slight

0 Flammability- None

0 Reactivity - Minimal



6. ACCIDENTAL RELEASE MEASURE

Procedure in case of accidental release, breakage or leakage: INFOTRAC 800-535-5053

Personal Precautions: Put on appropriate personal protective equipment (see Section 8). Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator if ventilation is inadequate.

Environmental Releases: Avoid dispersal of spilled material and runoff with soil, waterways, drains and sewers. Comply with local, state, and federal and international regulations for waste disposal.

Reference to Other Sections: Section 8

Methods for Cleanup: Stop the leak if without hazard. Contain and collect spillage with noncombustible, absorbent materials such as sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Wear appropriate protective clothing and/or equipment during cleanup. Dilute with water, neutralize with vinegar or similar acid, or a suitable non-combustible absorbent (sand, earth, vermiculite, diatomaceous earth) may be used. Remove contaminated absorbent, flush spill area with water.

7. HANDLING AND STORAGE

Precautions for safe handling: Minimize spillage. P281: Use appropriate personal protective equipment (Section 8). P270: Eating, drinking, and smoking should be prohibited in areas where this material is handled. P264: Workers should wash hands before eating, drinking or smoking. Do not ingest. S24+S25: Avoid contact with skin, eyes and clothing. **Conditions for storage:** P234: Keep in original container or suitable alternative. P233: Keep container tightly sealed. Keep container in well ventilated area. Keep container protected from direct sunlight. Containers must be resealed after use and kept upright. Do not store in unlabeled containers.

Incompatible materials: Keep away from strong acids.

Storage: Store between 35 F (2°C) and 120° F (50°C) Store in accordance with local regulations. Store in original container protected from direct sunlight in cool, ventilated area, away from incompatible materials. Keep in tightly closed container. Containers must be resealed after use and kept upright. Do not store in unlabeled containers.

Conditions to avoid: Avoid extreme temperatures.

Specific end uses: See relevant identified use in Section 1. Request directions for use and technical data.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure & Engineering Controls: S51: Use in ventilated areas

Protective Equipment:

Eye/Face Protection: P280: Wear face shield and safety glasses.

Skin Protection: Personal protective equipment should be selected based on the task being performed and risks involved and approved by a specialist before use.

Respiratory Protection: Properly fitted air purifying or air fed respirator complying with an approved standard if risk assessment indicates this is necessary. Respirator should be selected based on known or anticipated exposure level, the hazards of the product and the safe working limits of the respirator.

Recommended: Respiratory protection, filter A.

Hands: Impervious gloves. (Nitrile or rubber gloves)

Protective Clothing Pictograms:



Exposure Limit for Total Product: 20 mg/m³ TWA for 8 hours (ACGIH TLV, USA 2/2010). Consult with local authorities for acceptable exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid; colorless to slightly yellow
Odor:	Mild, slightly sweet
Odor threshold:	No test data available.
Oxidizing properties:	No
Boiling point:	100 C (approximately as water)
Specific gravity:	1.2(+/- 0.2)
pH:	10.8 (+/- 0.2)
Vapor pressure:	Vapor is water

Vapor density:	Vapor is water
VOC content:	<1% by volume per ASTM 2369
Flash point:	Non-flammable.
Upper/Lower flammability:	Non-flammable
Solubility:	In water, completely miscible
Partial coefficient:	For n-octanol/water, no test data available
Auto-ignition temperature:	Non-flammable
Viscosity (Kinematic):	No test data available
Explosive properties:	None

Reactivity: Product is stable under normal conditions of use and storage.

10. STABILITY AND REACTIVITY

Chemical stability: Chemically stable.

Incompatibility/Reactivity with other Substances: Incompatible with oxidizing agents and strong acids.

Hazardous Polymerization: Polymerization will not occur.

Hazardous Decomposition Products: Does not decompose when used as intended. Under conditions of very high temperatures, decomposition products may include carbon dioxide, carbon monoxide and nitrogen oxides.

Storage: Store out of direct contact with sunlight. Store above 32°F (0°C) and below 120°F (49°C). Do not use inconsistent with relevant identified and intended uses.

11. TOXICOLOGICAL INFORMATION

Potential Acute Health Effects:

Ingestion: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Eyes: Slightly irritating to the eyes.

Skin: Slightly irritating to the skin.

Potential Chronic Health Effects:

Chronic Effects: No known chronic effects.

Target Organs: No known damage to organs.

Mutagenicity: No known significant effects or critical hazard.

Teratogenicity: No known significant effects or critical hazard.

Fertility Effect: No known significant effects or critical hazard.

Developmental Effect: No effects or critical hazard.

Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Nonhazardous components are listed at 3% or greater. This is not intended to be a complete composition disclosure.

Product and/or components considered carcinogenic according to:

<u>OSHA</u>	<u>IRAC</u>	<u>NTP</u>	<u>OTHER</u>	<u>NONE</u>
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12. ECOLOGICAL INFORMATION

Ecotoxicological information: No information available for this product.

Toxicity: No toxicological information available for this product.

Persistence and degradability: No data available.

Environmental effects: Readily biodegradable; >89%. Passes OECD test(s) for ready biodegradability.
Contains no phosphates.

Bioaccumulation potential: Bioconcentration potential is very low (Bioconcentration factor <100).

Mobility in soil: Potential for mobility in soil is very high. Partition coefficient (K_{oc}). Estimated at <10.

Results of PBT and vPvB assessment: Does not meet the criteria for PBT (Persistent, Bioaccumulative, and Toxic) and vPvB (very Persistent & very Bioaccumulative)

Other adverse effects: None known.

13. DISPOSAL INFORMATION

Generation of waste should be avoided. P501: Disposal shall at all times comply with local, state, and federal, and international regulatory requirements. Collect and dispose according to regulations. Neutralize with vinegar or similar acid. Avoid dispersal of spilled material and runoff and contact with soils, waterways, drains or sewers.

Caution: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable or reactive materials. Cutting or welding of empty containers might cause fire, explosion, or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

14. TRANSPORT INFORMATION

Noncorrosive Shipping Classification: Cleaning Compound. Specify as: Item No. 48580 – Sub 3 – Class 55

UN Number: Not listed.

UN Regulatory Information:

DOT Classification: Not regulated.

TDG Classification: Not regulated.

IATA-DGR Class: Not regulated

IMDG Class: Not regulated.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

The product is classified and labelled in accordance with the following regulations and this Safety Data Sheet complies with their requirements:

UN-Regulation:

The United Nation Globally Harmonized System of Classification and Labelling of Chemicals (UN GHS);

USA Regulations: United

States Hazard Communication

Standards (HCS):

U.S. Federal Regulations: TSCA 8b inventory. Chemical contents of material listed.

Reportable Quantity (RQ): No calculable reportable quantity for this product.

CERCLA hazardous substances: None

SARA Title III: No ingredients listed

SARA 313: No ingredients listed. Product does not contain nor is manufactured with ozone depleting substances.

California Prop 675: No known substances known to the State of California to cause cancer, birth defect or reproductive harm.

CEPA: Chemical contents of material listed.

EU-Regulation:

The European Commission Regulation (EU) 2015/830 which amended both following regulations:

- the Regulation on classification, labelling and packaging of substances and mixtures (EC) No 1272/2008 ("CLP Regulation" or "CLP") and
- the European Commission Regulation (EU) No 453/2010, Annex II which amended Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

No REACH Annex XVII restrictions
Contains no REACH candidate substance.

Other regulations:

Workplace Hazardous Materials Information System (WHMIS 2015) in Canada.

National regulations:

The user must follow the national regulations for work with chemical agents.

Chemical safety assessment:

Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Indication of changes: This document has undergone significant changes and should be reviewed in its entirety.

Key literature references and sources for data: SDS from the different suppliers of the components.

Classification for mixtures and used evaluation method according to regulations (EU) 2015/830 incl. (EC) 1207/2008 [CLP]: See SECTION 2. (Classification).

Training advice:

It is the responsibility of the buyer to maintain a safe workplace for the user. Personal protective rating to be supplied by user depending on use condition. The user should consider the health safety information contained herein as a guide and should take these precautions required in an individual operation to instruct employees and develop protective work procedures for a safe environment.

Further information:

The information contained herein is, to the best of our knowledge, accurate based on data available at the time of publication. The company accepts no liability for damages incurred.

Nothing herein is to be construed as a warranty, expressed or implied. It is the responsibility of the user to determine the applicability of the information herein and suitability for its own particular purpose.