



Safety Data Sheet

1 – PRODUCT IDENTIFICATION

PRODUCT NAME: Guardian
PRODUCT TYPE: Metal corrosion inhibitor
PRODUCT NUMBER: 1085XX (Last two characters vary with the packaging)
COMPANY: Vaughan Industries
8490 Lyndon Street,
Detroit, MI 48375
(313) 935-2040
EMERGENCY PHONE: Chemtrec 1-800-424-9300

2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE: Skin corrosion/irritation (2) Serious eye damage/eye irritation (1)
SYMBOLS:



SIGNAL WORD: DANGER!
HAZARD STATEMENT: Causes skin irritation. Causes serious eye damage.
PRECAUTIONARY STATEMENTS:
PREVENTION: Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
RESPONSE:

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Immediately call a POISON CENTER or doctor/physician

3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER	Wt-%
Triethanolamine	102-71-6	10 - 20
Ethanolamine	141-43-5	5 - 10

*Percentages of ingredients are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals

4 – FIRST-AID MEASURES

BREATHING (INHALATION): If victim shows signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.
SWALLOWING (INGESTION): DO NOT INDUCE VOMITING! Drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!
EYES: Flush eyes with a large quantity of fresh water for at least 15 minutes. If irritation persists, consult a physician.
SKIN (DERMAL): Flush from skin and clothing with large amounts of fresh water. If irritation persists, consult physician. Wash contaminated clothing before wearing.

5 – FIRE-FIGHTING

MEASURES FLASHPOINT: This product is non-flammable.
EXTINGUISHING MEDIA: This product is non-flammable. Use extinguishing media suitable for materials already burning.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.
WASTE DISPOSAL: As recommended by local, state and federal authorities.

7 – HANDLING AND STORAGE

STORAGE: Store in a cool, well ventilated area. Avoid overheating or freezing.
HANDLING: Do not place this product in an unmarked container. Avoid eye contact. Spilled material is slippery.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respirator recommended, not normally required.

PROTECTIVE CLOTHING: Nitrile or PVC gloves, and chemical splash goggles.

ADDITIONAL MEASURES: Do not place this product in an unmarked container. Avoid eye contact. Spilled material is slippery.

INGREDIENT	C.A.S.	PEL	ACGHI
Triethanolamine	102-71-6	None Listed	None Listed
Ethanolamine	141-43-5	3 ppm	3 ppm

9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR: Clear colorless liquid

ODOR THRESHOLD: N/A

pH: 6-8

MELTING POINT: N/A

FREEZING POINT: N/A

BOILING POINT: 210 degrees F.

BOILING POINT RANGE: N/A

FLASHPOINT: This product is non-flammable.

AUTO-IGNITION TEMPERATURE: N/A

VISCOSITY: Slight body

VAPOR PRESSURE: N/A

VAPOR DENSITY (AIR=1): Greater than 1.

SPECIFIC GRAVITY: 1.03

SOLUBILITY IN WATER: Completely soluble.

PARTITION COEFFICIENT: N/A

EVAPORATION RATE: N/A

FLAMMABILITY (solid/gas): N/A

EXPLOSION LIMITS: N/A

DECOMPOSITION TEMPERATURE: N/A

10 – STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: This product not known to polymerize.

INCOMPATIBILITY: Do not mix with other chemicals or oxidizers

11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY: Ingestion. Dermal contact. Eye contact. Inhalation.

LISTED CARCINOGEN: None listed

MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing dermatitis.

12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION: N/A

PRODUCTS OF BIODEGRADATION: Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise.

TOXICITY OF THE PRODUCTS OF BIODEGRADATION: The products of degradation are less toxic than the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN/NA NUMBER: N/A

PACKAGING GROUP: N/A

LABELS REQUIRED: N/A

15 – REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

US TSCA INVENTORY STATUS: The components of this product are TSCA listed.

SARA: This product contains no material regulated under SARA Title III Section 313.

US CERCLA REPORTABLE QUANTITY: None

US TSCA INVENTORY STATUS: The components of this product are TSCA listed.

OTHER US FEDERAL REGULATIONS: None

16 – OTHER INFORMATION

The data and recommendations presented herein are based upon our research and that of others and are believed to be accurate. No guarantee of their accuracy is made, and they are distributed without warranty, express or implied. The person receiving them shall make their own determination of the suitability thereof for their particular purpose.

Date of Preparation: 6-11-18

Revision Number: 4