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AEROSOL

Corrosion X®
M.S.D.S.

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1: PRODUCT INFORMATION

Name:	Corrosion X AEROSOL
Description:	Corrosion Inhibitor / Moisture Displacer / E.P. Lubricant
Use:	Corrosion Inhibitor / Penetrant / Lubricant for Marine Environments – for ferrous, non-ferrous and dissimilar metal surfaces/wherever there is excessive moisture.
MSDS Number:	1009 CT
Appearance & Odor:	Green – with fresh scent
Emergency Telephone:	Chemtrec (800) 424-9300
Product Information:	(972) 271-7361
Effective Date:	04/08/02
Supercedes Date:	12/11/01

SECTION 2: COMPOSITION

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

SECTION 3: HAZARDOUS INGREDIENTS

	OSHA PEL	% Wt.	CAS#
Base Stock:	5 mg/m^3 (oil mist)	64-70	72623-85-9
Hydrocarbon Solvent:	100 ppm (vapor)	5-10	64742-47-8
Propellant: AB 46 Non-Ozone Depleting	Not determined	15	

SECTION 4: CHEMICAL CHARACTERISTICS

% Non-Volatiles (by weight):	>80%
Boiling Point:	>400 degrees F. (without propellant)
Vapor Pressure (mm Hg @ 25° C):	1 mm Hg. (without propellant)
Vapor Density: (Air = 1):	>5
Melting Point:	Not Applicable
Solubility in Water:	Slightly emulsifiable
Evaporation Rate (Butyl Acetate = 1):	<1
Specific Gravity (Water = 1):	0.872

SECTION 5: EMERGENCY & FIRST AID PROCEDURES

Skin:	Remove excess by wiping and follow by washing with soap and water until there is no odor.
Eyes:	Flush with copious quantities of water (15 minutes). Lift Eyelids and flush inside. Seek Physician if eyes become inflamed.
Inhalation:	Evacuate to fresh air. Apply CPR if required. If resuscitation is required, assessment by a Physician is mandatory.
Ingestion:	DO NOT INDUCE VOMITING. If vomiting occurs, take care to prevent aspiration. Give _ pint of milk to drink. Seek aid of a physician. Note to Physician: Consult standard literature re: Hydrocarbon Poisoning.

SECTION 6: HEALTH EFFECTS SUMMARY

Primary Route(s) of Exposure:	Eyes-YES Skin-NO Inhalation-YES Ingestion-YES
Eye Contact:	Essentially non-irritating, however vapors and/or mists can cause mild to moderate irritation. Severity of reaction depends upon duration of exposure and first aid procedures administered. Over exposure may cause eyes to become watery.
Skin Contact:	Essentially non-irritating. LD50 absorption for skin is >5000 mg/kg. Prolonged or repeated contact with the skin has not been a cause of defatting or dermatitis in normal day to day handling of material. Effects of over exposure may be dry, chapped skin.
Inhalation:	Non-toxic, *LC50 = 5000 ppm (rat, inhalation). Can cause irritation to nose and throat and upper respiratory tract during prolonged exposure, but not normally . Exercise caution if vapors are hot. If over-exposure occurs – may cause dizziness or headaches or nausea. *Based on toxicity of components
Ingestion:	Slightly toxic **LD50 >5000 mg/kg. (rat, oral) May be harmful or fatal if swallowed. Can cause severe irritation of mouth, throat and esophagus. Can cause nausea, vomiting or gastrointestinal upset. May cause diarrhea **Based on toxicity of Petroleum Distillate only.
Carcinogenicity:	Non-carcinogenic as listed by: ACGIH, IARC MONOGRAPHS, or OSHA. (Based on toxicity reports of component parts).

SECTION 7: REACTIVITY DATA

Product Stability:	Stable
Incompatibility	Oxidizing Materials such as Liquid or Compressed Oxygen or Peroxides or Chlorines.
Hazardous Decomposition:	Burning produces normal by-products of combustion including: Carbon Monoxide, Phenols, or Petroleum Products.
Hazardous Polymerization:	Will not occur.

SECTION 8: FIRE & EXPLOSION HAZARDOUS INFORMATION

Flash Point:	>270 degrees F. (Without propellant) (Method COC)
Flammable Limits:	Solvent Component LEL: 0.7 UEL: 4.8
Extinguishing Media:	C02, Dry Chemical, Foam, Water Spray.
Fire Fighting Procedures:	Use full protective and self-contained breathing apparatus. Cover with an extinguishing agent. Do NOT spray with water using a direct stream into the burning liquid as this may spread the fire. Use a water spray or mist to cool the fire.
Explosion Hazards:	Aerosol containers may explode when heated above 120° F.
Fire Hazard Identification:	NFPA STD. 704 Health – 1 Flammability – 4 Reactivity – 0

SECTION 9: SAFETY PRECAUTIONS FOR SAFE HANDLING

Steps to be taken in case of a spill:	Eliminate sources of ignition. Stop or reduce flow by means of a dyke or barricade. Absorb small spills using dry clay or a commercial absorbent. Collect residue into suitable container for proper disposal. Material may be washed into floor drains equipped with an oil interceptor.
Waste disposal method:	Dispose of in an approved landfill site or incinerate at a licensed waste reclaiming facility. Liquid waste may be removed by means of a licensed reclaimer under used oil classification. Be sure to follow all Local, State, & Federal Requirements.

SECTION 10: CONTROL MEASURES

Ventilation:	Provide sufficient ventilation by general or mechanical means to ensure that exposure levels are kept below combustible limits.
Respiratory Protection:	None normally needed unless atomizing in enclosed or confined spaces. Use approved organic mist vapor respirator.
Eye Protection:	None normally required unless operator is using high pressure spraying equipment and splashing may be likely to occur. Use approved face mask or goggles.
Protective Gloves:	None needed
Protective Clothing:	None needed
Personal Hygiene:	Wash face and hands with soap and water after use. Especially before eating or smoking or using the restroom facilities. Launder soiled clothing and shoes / boots with detergent. Apply mild hand cream if hands become dry or chapped.

SECTION 11: LABEL & TRANSPORTATION INFORMATION

Dot Shipping Name:	Consumer Commodity ORM-D
DOT identification Number:	N/A

SECTION 12: REGULATORY INFORMATION

SARA TITLE III INFORMATION:

Section 313 – Toxic Chemicals:	This product does not contain any chemicals which are listed as a carcinogen and in concentrations greater than 0.1% of the mixture pursuant to Section 313 of Sara Title III.
Section 302-Extremely Hazardous Substances:	Pursuant to Section 302 of SARA TITLE III, this product does not contain an extremely hazardous substance. Materials which may contain zinc compounds contain <0.5% as Zn.
Material Information System (WHMIS)	This product is not known to contain greater than 1.0% of any chemical substance which is considered Extremely Hazardous.

SECTION 13: USERS RESPONSIBILITY

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information contained here in should be passed on to your customers or employees, as the case may be.

SECTION 14: DISCLAIMER OF LIABILITY

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: Corrosion Technologies Corp. (972) 271-7361.