

Section V - Reactivity Data (CHEM-CREST 77)

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) AVOID CONTAMINATION WITH STRONG BASES, OXIDIZING AGENTS, ALDEHYDES, KETONES, ACRYLATES

ORGANIC ALDEHYDES AND ORGANIC HALIDES. AVOID EXPOSURE TO ALUMINUM.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? YES Skin? YES Ingestion? YES

Health Hazards (Acute and Chronic) MAY CAUSE KIDNEY AND LIVER DAMAGE.

Carcinogenicity: NONE NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure EYES: SEVERE IRRITATION WITH EXCESS BLINKING AND TEAR PRODUCTION. SWALLOWING: BURNING

OF THE MOUTH AND THROAT, ESOPHAGUS AND STOMACH CAUSING NAUSEA, VOMITING AND DIZZINESS. SKIN: BURNING.

INHALATION: COUGHING AND DISCOMFORT TO THE NOSE AND THROAT.

Medical Conditions

Generally Aggravated by Exposure INHALATION MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

BECAUSE OF ITS IRRITATING PROPERTY IT MAY AGGRAVATE EXISTING DERMATITIS.

Emergency and First Aid Procedures SWALLOWED: GIVE 2 GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

SKIN: REMOVE CONTAMINATED CLOTHES AND WASH WITH SOAP AND WATER BEFORE REUSE. RINSE WELL. INHALATION: MOVE TO FRESH AIR.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled WEAR SUITABLE PROTECTIVE EQUIPMENT. AVOID CONTACT WITH LIQUID AND

VAPORS. COLLECT FOR DISPOSAL. TOXIC TO AQUATIC LIFE. AVOID DISCHARGE TO NATURAL WATERS IF THE pH HAS NOT BEEN ADJUSTED.

Waste Disposal Method ADJUST pH TO AN ACCEPTABLE LIMIT (SEE YOUR LOCAL WATER AND SEWER AUTHORITY) AND DRAIN.

Precautions to Be Taken in Handling and Storing DO NOT SWALLOW, INHALE, SPILL ON SKIN OR IN EYES.

Other Precautions KEEP CONTAINER CLOSED WHEN NOT IN USE.

Section VIII - Control Measures

Respiratory Protection (Specify Type) NONE NECESSARY WHEN USED AS DIRECTED.

Ventilation	Local Exhaust	YES	Special when using fully concentrated material
	Mechanical (General)	YES	Other

Protective Gloves PVC LINED GLOVES Eye Protection CHEMICAL SPLASH GOGGLES

Other Protective Clothing or Equipment PROTECTIVE CLOTHING

Work/Hygienic Practices AVOID SPLASHING AND SPILLING. EYE WASH SHOULD BE AVAILABLE TO USER.

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED, RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE TO THEIR CIRCUMSTANCES.

CHEM-CREST 77

Rust Inhibitors

- All are efficient in protecting iron and rustable steels (i.e., mild, high-speed, etc.) during rinses and air drying.
- Use concentration: 1-2%, rinse injection

CC 77: Provides short-term protection, very thin invisible film, desorbes under vacuum which makes it an excellent rust inhibitor for parts intended to be vacuum coated. Not suitable for aluminum or magnesium.

CC 77E: Provides short-term protection. Economical for application using high overflow water rinses (> 2 GPM). Not suitable for aluminum or magnesium.

CC 77G: Provides short-term protection. Mainly for medical and pharmaceutical applications where rust inhibition is needed. Residue left on the parts is safe and non-toxic after drying. The CC 77G itself is alkaline and must be handled according to its MSDS. Not suitable for aluminum or magnesium.

CC 77C: Provides long-term protection. May be injected into the rinses or can be used in a separate stage. Provides invisible film. Moreover, it is safe on multi-metal components, e.g., aluminum, brass, and copper.