

MATERIAL SAFETY DATA SHEET

HI 3311
HDX 22 (31A)Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

HDX 23

SECTION I

MANUFACTURER'S NAME Hydrox Chemical Company		EMERGENCY TELEPHONE NO. (312)981-0045
ADDRESS (Number, Street, City, State, and ZIP Code) 170 Kelly St, Elk Grove Village, IL. 60007		
CHEMICAL NAME AND SYNONYMS Isopropanol 70%		TRADE NAME AND SYNONYMS Isopropyl Rubbing Alcohol 70%
CHEMICAL FAMILY Alcohols	FORMULA (CH ₃) ₂ CHOH	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	approx	87 ⁰ C	SPECIFIC GRAVITY (H ₂ O=1)	0.88
VAPOR PRESSURE (mm Hg.)	approx	33mm Hg	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	approx	2.07	EVAPORATION RATE (--- !!)	approx 2.3
SOLUBILITY IN WATER	Complete			
APPEARANCE AND ODOR Colorless liquid. Characteristic odor.				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Carbon dioxide, dry chemical or foam.			
SPECIAL FIRE FIGHTING PROCEDURES Dilution of burning liquid with water will effect extinguishment			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	400 ppm (skin) ACGIH(1975)
EFFECTS OF OVEREXPOSURE	None expected except for giddiness. <i>TOX #3 2/22</i>
EMERGENCY AND FIRST AID PROCEDURES	
Move to fresh air. If swallowed, induce vomiting and call a physician. Flush skin and eye contact with water.	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID Avoid heat, sparks and open flames
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Anhydride, Isocyanate, Monomer and Organo-Metallic.			
HAZARDOUS DECOMPOSITION PRODUCTS Burning may produce Carbon Monoxide and Carbon Dioxide Contamination			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Eliminate all sources of ignition, Small spills should be flushed with large quantities of water, Larger spills should be collected for disposal.	
WASTE DISPOSAL METHOD	
Atomize into an incinerator where permitted under appropriate Federal State and Local regulations.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Air supplied masks in confined areas		
VENTILATION	LOCAL EXHAUST preferred	SPECIAL
	MECHANICAL (General) acceptable	OTHER
PROTECTIVE GLOVES Rubber or Vinyl Gloves	EYE PROTECTION Goggles	
OTHER PROTECTIVE EQUIPMENT Eye Bath and Safety Shower		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Do not take internally. Flammable liquid. Keep away from heat, sparks and open flames. Keep container closed.	
OTHER PRECAUTIONS	