

Dagger

Material Safety Data Sheet

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheet.

SECTION I - GENERAL INFORMATION	
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700	For chemical emergencies during transportation only call
Fax No: 1-773-227-3705	INFOTRAC
	1-800-535-5053
	24 hours per day - 7 days a week
Date Prepared 01/01/08	Trade Name DAGGER
SECTION II - HAZARDOUS INGREDIENTS /	
HAZARDOUS COMPONENTS CAS# APPR	JX% ACGIH-ILV OSHA-PEL
HYDROGEN CHLORIDE 7647-01-0 35	5 PPM 5 PPM
reporting requirements of Section 313 of the E	This information must be included in all MSDS's
SHIPPING INFORMATION	SPECIAL HAZARD DESIGNATIONS
FOR CONTAINERS UNDER 1 LITER SIZE	HMISNFPAHAZARD RATINGHEALTH330 - MINIMALFLAMMABILITY001 - SLIGHTREACTIVITY002 - MODERATEPROTECTIVE3 - SERIOUSEQUIPMENTH4 - SEVERE

FOR CONTAINERS SIZE	ABOVE 1 LITER					
SHIPPING NAME HAZARD CLASS I.D. NO. PACKING GROUP FREIGHT CLASS LABEL REQUIRED	HYDROCHLORIC ACID, SOLUTION 8 UN1789 II 55 CORROSIVE					
SECTION III - PHYS	SICAL DATA					
APPEARANCE LIGHT YELLOW LIC	QUID	ODOR ACR PUN	ID, GENT	BOILING 84° (5 POINT C (183° F)	
SPECIFIC GRAVITY (H20 1.16	D=1)	VAPOR PRESSI Hg.) 35	JRE (mm	VOLATII N/A	E BY VOLUM	E (%)
VAPOR DENSITY (AIR=1 1.27)	RATE (I	RATION BUAC=1) ATER N 1		LITY IN WATE PLETE	R
SECTION IV - FIRE	AND EXPLOSION HAZ	ARD DAT	A	<u> </u>		
FLASH POINT (MET	HOD USED)		FLAMMABLI	E LIMITS	LEL	UEL
WILL NOT BURN.			(PERCENT I VOLUME)	BY	N/A	N/A
FIRE EXTINGUISHIN AS APPROPRIATE	G MEDIA FOR COMBUSTIBLES	IN AREA.				
CONTROL MAY CA SUBSTANCES (SU AND FORMATION	TING PROCEDURES AY TO COOL TANKS AN AUSE POLLUTION. NEU CH AS SODA ASH OR I OF HYDROGEN. FOR P ECTIVE CLOTHING WIT	TRALIZE LIME) TO OTENTIA	WITH CHE	MICALLY CORROS RE TO A	ALKALINE	TALS 1ES,

SECTION V -	HEALTH HAZAR	D DATA	
PRIMARY ROU	TES OR ENTRY	<u>X</u> Inhal	lation XSkin contact XEye contact
EXCESSIVE			AND SKIN BURNS. INGESTION CAUSES US AND STOMACH. VAPORS EXTREMELY
INGESTION:	DITIONS AGGRA SEVERE DAMAG R IF SWALLOWED	E TO INTE	RNAL ORGANS (ESOPHAGUS & PYLORUS)
_	: FUMES FROM F POSURE CAN CA		CAN CAUSE INJURY TO RESPIRATORY TRACT. DAMAGE.
DISCOMFOR	T AND RASH.		T CAUSES BURNS, SKIN IRRITATION WITH
EMERGENCY A REMOVE TO QUANTITIES	OF WATER. FOR	ROCEDUR SH AFFEC NHALATE	RES TED PARTS PROMPTLY WITH COPIOUS ED TREATMENT, REMOVE PATIENT TO CLEAN GEN FOR BREATHING.
SECTION VI	REACTIVITY		
			CONDITIONS TO AVOID DO NOT STORE NEAR OR MIX WITH
STABILITY	UNSTABLE		STRONG ALKALIS SUCH AS SODIUM OR POTASSIUM.
STABILITY	UNSTABLE	X	STRONG ALKALIS SUCH AS SODIUM OR

		S	
HEAT CAN CAUSE EV	OLUTION OF GASEO	US HYDF	OGEN CHLORIDE.
	MAY OCCUR		CONDITIONS TO AVOID
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR	x	N/A
SECTION VII - SPILI	OR LEAK PROCEDU	RES	
AVOID BREATHING		AREA UN	ASED OR SPILLED NTIL VAPORS ARE DISPERSED. EUTRALIZE WASHINGS WITH LIME
VASTE DISPOSAL M NEUTRALIZE TO PH AUTHORITIES FOR	OF 7 WITH SUITABLE	E ALKALI.	CONSULT LOCAL WASTE DISPOSAL
SECTION VIII - SPE	CIAL PROTECTION IN	FORMAT	ION
RESPIRATORY PROT	ECTION (Specify type		/ASK WHICH IS NIOSH/MSH
RESPIRATORY PROT SELF-CONTAINED I APPROVED.	ECTION (Specify type BREATHING APPARA		
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RESPIRATORY PROT SELF-CONTAINED I APPROVED.	ECTION (Specify type BREATHING APPARA BREATHING APPARA TE VENTILATION.	EYE F	
RESPIRATORY PROT SELF-CONTAINED I APPROVED. VENTILATION MAINTAIN ADEQUA PROTECTIVE GLOVE RUBBER	ECTION (Specify type BREATHING APPARA TE VENTILATION. S	EYE F FAC	MASK WHICH IS NIOSH/MSH
RESPIRATORY PROT SELF-CONTAINED I APPROVED. VENTILATION MAINTAIN ADEQUA PROTECTIVE GLOVE RUBBER OTHER PROTECTIVE APRONS, BOOTS, S	EQUIPMENT AND HY BREATY SHOWER AND	EYE F FAC	MASK WHICH IS NIOSH/MSH PROTECTION SE SHIELDS, CHEMICAL GOGGLES.
RESPIRATORY PROT SELF-CONTAINED I APPROVED. VENTILATION MAINTAIN ADEQUA PROTECTIVE GLOVE RUBBER OTHER PROTECTIVE APRONS, BOOTS, S AVAILABLE. SECTION IX - SPEC	EQUIPMENT AND HY BREATHING APPARA TE VENTILATION. S EQUIPMENT AND HY BAFETY SHOWER AND IAL PRECAUTIONS E TAKEN IN HANDLIN	EYE F FAC	MASK WHICH IS NIOSH/MSH PROTECTION SE SHIELDS, CHEMICAL GOGGLES. PRACTICES SH FOUNTAINS SHOULD BE

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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