



Liquid Flux

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 Fax No: 1-773-227-3705		For chemical emergencies during transportation only call INFOTRAC 1-800-535-5053 24 hours per day - 7 days a week														
Date Prepared 01/01/08		Trade Name LIQUID FLUX														
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION																
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL												
ZINC CHLORIDE	7646-86-7	40%	1 mg/m3	-----												
AMMONIUM CHLORIDE	12125-02-9	20%	10 mg/m3	-----												
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.																
SHIPPING INFORMATION		SPECIAL HAZARD DESIGNATIONS														
NOT HAZARDOUS FOR SHIPPING		<table> <thead> <tr> <th></th> <th><u>HMS</u></th> <th><u>HAZARD RATING</u></th> </tr> </thead> <tbody> <tr> <td>HEALTH</td> <td>1</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> <td>1- SLIGHT</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> <td>2- MODERATE</td> </tr> </tbody> </table>				<u>HMS</u>	<u>HAZARD RATING</u>	HEALTH	1	0 - MINIMAL	FLAMMABILITY	0	1- SLIGHT	REACTIVITY	0	2- MODERATE
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HEALTH	1	0 - MINIMAL														
FLAMMABILITY	0	1- SLIGHT														
REACTIVITY	0	2- MODERATE														

EFFECT OF OVEREXPOSURE

ACID TYPE BURNS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

SKIN AND RESPIRATORY CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURESSKIN: FLUSH WITH WATER IMMEDIATELY. SEEK MEDICAL ATTENTION.EYES: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.INGESTION: DRINK LARGE AMOUNTS OF WATER. SEEK MEDICAL ATTENTION.
NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.INHALATION: REMOVE TO FRESH AIR. SUPPORT RESPIRATION IF REQUIRED. SEEK MEDICAL ATTENTION.**SECTION VI - REACTIVITY**

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE

INCOMPATIBILITY (MATERIALS TO AVOID)
STRONG BASES, METALS.**HAZARDOUS DECOMPOSITION PRODUCTS**
AMMONIA, HYDROGEN GAS.

	MAY OCCUR		CONDITIONS TO AVOID
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR	X	NONE

SECTION VII - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

FLUSH INTO A CHEMICAL SEWER OR SOAK UP WITH A SUITABLE ABSORBENT.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

ACID MASK REQUIRED FOR FUMES OVER TLV.

VENTILATION

LOCAL EXHAUST PREFERRED.

MECHANICAL OK.

PROTECTIVE GLOVES

PLASTIC OR RUBBER

EYE PROTECTION

GOGGLES OR FACE SHIELD

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

AS REQUIRED TO AVOID CONTACT.

SECTION IX - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

DO NOT STORE OR USE FROM METALLIC CONTAINERS.

OTHER PRECAUTIONS

AVOID CONTACT.

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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