



Liquid Boiler Cleaner

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 BOILER CLEANER		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS IN ACCORDANCE WITH OSHA 1910.1200.				
*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 NOT HAZARDOUS FOR SHIPPING PURPOSES.		SPECIAL HAZARD DESIGNATIONS <table border="0"> <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> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> <td>3- SERIOUS 4- SEVERE</td> </tr> </tbody> </table>			<u>HMS</u>	<u>HAZARD RATING</u>	HEALTH	1	0 - MINIMAL	FLAMMABILITY	0	1- SLIGHT	REACTIVITY	0	2- MODERATE	PROTECTIVE EQUIPMENT	B	3- SERIOUS 4- SEVERE
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SECTION III - PHYSICAL DATA																		
APPEARANCE GREEN	ODOR ODORLESS	BOILING POINT 214Â° F																
SPECIFIC GRAVITY (H2O=1) 1.4	VAPOR PRESSURE (mm Hg.) APPROX. 17	VOLATILE BY VOLUME (%) N/A																
VAPOR DENSITY (AIR=1) APPROX. 16	EVAPORATION RATE (BUAC=1) >1	SOLUBILITY IN WATER SOLUBLE																
SECTION IV - FIRE AND EXPLOSION HAZARD DATA																		
FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL															
N/A	(PERCENT BY VOLUME)	N/A	N/A															
FIRE EXTINGUISHING MEDIA USE PROPER EXTINGUISHER FOR SURROUNDING FIRE.																		
SPECIAL FIRE FIGHTING PROCEDURES NORMAL FOR SURROUNDINGS.																		
UNUSUAL FIRE AND EXPLOSION HAZARD NONE																		

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OR ENTRY _____ Inhalation Skin contact _____ Eye contact Ingestion _____

EFFECT OF OVEREXPOSURE

EYES: MIST OR SPRAY MAY BE IRRITATING TO EYES.

SKIN: MIST OR SPRAY MAY BE IRRITATING.

INHALATION: MAY IRRITATE MUCOUS MEMBRANES OF THE RESPIRATORY TRACT.

INGESTION: MAY IRRITAE ESOPHAGUS AND STOMACH

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

INHALATION: GET PERSON OUT OF AREA TO FRESH AIR.

INGESTION: DO NOT INDUCE VOMITING.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE

INCOMPATIBILITY (MATERIALS TO AVOID)
DO NOT MIX WITH ETHYLENE GLYCOL SOLUTIONS.

HAZARDOUS DECOMPOSITION PRODUCTS

NONE

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

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

STOP LEAK AND TRY TO REPLACE INTO CONTAINER. FLUSH SPILL AREA WITH WATER.

WASTE DISPOSAL METHOD

NON-HAZARDOUS LANDFILL.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

USE A NIOSH/MSHA APPROVED RESPIRATOR WHEN MIST IS MADE.

VENTILATION

NONE

PROTECTIVE GLOVES

RUBBER GLOVES

EYE PROTECTION

FACE SHIELD OR CHEMICAL GOGGLES

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

STANDARD WORK CLOTHING.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

DO NOT STORE IN ALUMINUM CONTAINERS. DO NOT PLACE IN CONTACT WITH ACIDS.

OTHER PRECAUTIONS

PLACE LIDS ON CONTAINERS WHEN NOT IN USE.

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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