



Pipe - Lube Aerosol

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 Pipe - Lube Aerosol		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
2-PROPANOL, ISOPROPYL ALCOHOL	67-63-0	11	400 PPM	400 PPM
PROPANE	74-98-6	6	ASPHYXIAN	1000 PPM
BUTANE	106-97-8	6	800 PPM	800 PPM
*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		
CONSUMER COMMODITY ORM-D				
		<u>HMS</u>	<u>NFPA</u>	<u>HAZARD RATING</u>
HEALTH	1	0		0 - MINIMAL
FLAMMABILITY	4			1- SLIGHT

	REACTIVITY 0 0 2- PROTECTIVE NONE 3- SERIOUS EQUIPMENT 4- SEVERE		
SECTION III - PHYSICAL DATA			
APPEARANCE AEROSOL PRODUCT	ODOR AEROSOL PRODUCT	BOILING POINT -44°F to -177°F	
SPECIFIC GRAVITY (H2O=1) 1.00	VAPOR PRESSURE (mm Hg.) N/A	VOLATILE BY VOLUME (%) N/A	
VAPOR DENSITY (AIR=1) HEAVIER THAN AIR	EVAPORATION RATE (BUAC=1) SLOWER THAN ETHER	SOLUBILITY IN WATER NIL	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL 1.9	UEL 1.2
-156°F	(PERCENT BY VOLUME)	N/A	N/A
FIRE EXTINGUISHING MEDIA FOAM, CO2, DRY CHEMICAL OR WATER FOG			
SPECIAL FIRE FIGHTING PROCEDURES WATER SPRAY MAY BE INEFFECTIVE, WATER MAY BE USED TO COOL CONTAINERS T PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.			
UNUSUAL FIRE AND EXPLOSION HAZARD CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMULATIONS CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD, SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.			

SECTION V - HEALTH HAZARD DATA

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

EFFECT OF OVEREXPOSURE

EYE CONTACT: LIQUID OR VAPOR CAN CAUSE MODERATE TO SEVERE IRRITATION.

SKIN CONTACT: CONTACT MAY DRY THE SKIN, PROLONGED CONTACT MAY CAUSE MODERATE IRRITATION.

INHALATION: RESPIRATORY IRRIGATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION

INGESTION: NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

CARCINOGENICITY: N/A.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

NONE

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS NOT STOPPED. GET MEDICAL ATTENTION.

INGESTION: NOT LIKELY.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	APPLICATION TO HOT SURFACES. STORAGE ABOVE 120°F. EXPOSURE TO OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID)
STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS

MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE AND OTHER TOXIC FUMES.

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

AVOID BREATHING VAPORS. VENTILATE AREA, REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF THIS MSDS FOR HAZARD CAUTION INFORMATION.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

AVOID BREATHING VAPORS. USE WITH ADEQUATE VENTILATION EQUAL TO OUT OF DOORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IS VOLUME OR PATTERN TO PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES

SOLVENT RESISTANT GLOVES REQUIRED FOR PROLONGED OR REPEATED CONTACT

EYE PROTECTION

USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

USE OF SOLVENT RESISTANT APRONS OR OTHER CLOTHING IS RECOMMENDED.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING.

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. VAPORS MAY CAUSE FLASH FIRE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT STORE ABOVE 120°F. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, NAIL OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT SPRAY IN EYES. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

OTHER PRECAUTIONS

USE WITH ADEQUATE VENTILATION. TO PREVENT VAPOR BUILD-UP, OPEN DOORS AND WINDOWS OR USE AN EXPLOSION-PROOF EXHAUST FAN TO ENSURE FRESH AIR EXCHANGE DURING AND AFTER USE. DO NOT BREATHE VAPOR, GAS OR SPRAY MIST. WHEN USING, DO NOT EAT, DRINK OR SMOKE. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WEAR PROTECTIVE EQUIPMENT. WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUES. FOLLOW LABEL WARNINGS EVEN AFTER CAN IS EMPTIED. DO NOT STORE IN BASEMENTS.

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.

Black Swan Mfg. Co. Telephone:773-227-3700 E-mail: info@blackswanmfg.com
4540 W. Thomas Street Wats:800-252-5796Web site:<http://www.blackswanmfg.com>
Chicago, IL 60651-3318 Fax:773-227-3705