

LUBIE® #312
Preparation Date: 3/28/11



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MATERIAL SAFETY DATA SHEET
LUBIE ® #312

HAZARD RATING> LEAST-0 SLIGHT-1 MODERATE-2 HIGH-3 EXTREME-4

SECTION I - PRODUCT IDENTIFICATION

PRODUCT: **LUBIE® #312**

SECTION II - COMPOSITION AND HAZARDOUS INFORMATION*

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	OCCUPATIONAL EXPOSURE LIMITS (TLV-TWA) (TLV-STEL)
MONOETHANOLAMINE	141-43-5	5.0	7.5 mg/m ³ 15 mg/m ³
TRIETHANOLAMINE	102-71-6	14.0	5 mg/m ³ NE

*ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE EXEMPT FROM TSCA INVENTORY REQUIREMENTS.

SECTION III - PHYSICAL DATA

BOILING RANGE	: NA	VAPOR DENSITY	: NA
ODOR	: MILD ODOR	EVAPORATION RATE	: NA
APPEARANCE	: CLEAR/*	SOLUBILITY	: COMPLETE
VOLATILE BY WEIGHT	: NA	PRODUCT DENSITY	: 1.056
VOLATILE BY VOLUME	: NA		

*PRODUCT MAY BE DYED BLUE, PINK, OR YELLOW-GREEN.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: NA FLASH POINT: NA LEL: NA
(CLEVELAND OPEN CUP) UEL: NA
DOT - NOT APPLICABLE
EXTINGUISHING MEDIA: USE MEDIA SUITABLE FOR SURROUNDING MATERIALS.



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA
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UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

SPECIAL FIREFIGHTING PROCEDURES: THIS PRODUCT IS NON-COMBUSTIBLE. FOAM, WATER SPRAY, DRY CHEMICAL OR CARBON DIOXIDE FIRE EXTINGUISHERS MAY BE USED IN THE AREA IT IS STORED.

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SECTION V - HEALTH HAZARD DATA
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EFFECTS OF OVER EXPOSURE: MAY CAUSE MILD EYE IRRITATION AND REDNESS. MAY CAUSE MILD SKIN IRRITATION AND REDNESS. INGESTION MAY RESULT IN NAUSEA, DIARRHEA AND GASTROINTESTINAL IRRITATION. OVEREXPOSURE TO VAPORS OR MIST MAY RESULT IN UPPER RESPIRATORY TRACT IRRITATION.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: NONE KNOWN.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION.

EMERGENCY AND FIRST AID PROCEDURES: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. IF EYE IRRITATION PERSISTS, CONTACT A PHYSICIAN. IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND RINSE SKIN THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. IF SKIN IRRITATION PERSISTS, CONTACT A PHYSICIAN. IN CASE OF OVEREXPOSURE TO MIST, REMOVE VICTIM TO FRESH AIR: IF BREATHING IS DIFFICULT CONTACT A PHYSICIAN IMMEDIATELY. IF PRODUCT IS INGESTED DO NOT INDUCE VOMITING: GIVE TWO GLASSES OF MILK OR WATER IF PATIENT IS CONSCIOUS AND CONTACT A PHYSICIAN.

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SECTION VI - REACTIVITY DATA
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STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

CONDITIONS TO AVOID: AVOID CONTACT WITH STRONG ACIDS AND ORGANIC OXIDIZERS.

INCOMPATIBILITY: AVOID CONTACT WITH STRONG ACIDS AND ORGANIC OXIDIZERS.

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SECTION VII - SPILL OR LEAK PROCEDURES
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: FOR SMALL SPILLS: SOAK UP SPILL WITH ABSORBENT MATERIAL. FOR LARGE SPILLS: DIKE SPILL AND PUMP INTO DRUMS FOR PROPER DISPOSAL.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REGULATIONS.



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SECTION VIII - SAFE HANDLING AND USE INFORMATION

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RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED, HOWEVER, WHEN THE TLV IS EXCEEDED WEAR THE APPROPRIATE MSHA/NIOSH APPROVED RESPIRATOR.

VENTILATION: PROVIDE ADEQUATE VENTILATION (SUCH AS MECHANICAL OR LOCAL) TO PREVENT EXCEEDING THE TLV.

PROTECTIVE GLOVES: NORMALLY NONE REQUIRED, HOWEVER, IF HANDS ARE FREQUENTLY IN FLUID WEAR OIL AND CHEMICAL IMPERVIOUS GLOVES.

EYE PROTECTION: SAFETY GLASSES REQUIRED FOR NORMAL USAGE, WEAR CHEMICAL GOGGLES WHEN EXCESSIVE SPLASHING MAY OCCUR.

OTHER PROTECTIVE EQUIPMENT: NORMALLY NOT REQUIRED, HOWEVER, WHERE REPEATED CONTACT OCCURS, WEAR IMPERVIOUS CLOTHING AND BOOTS.

HYGIENIC PRACTICES: FOLLOW STANDARD INDUSTRIAL HYGIENE PRACTICES. LAUNDER ANY CONTAMINATED CLOTHING BEFORE RE-USE.

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SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE INSIDE AWAY FROM EXTREME TEMPERATURES. EMPTY DRUMS AND CONTAINERS MAY CONTAIN PRODUCT RESIDUES. ALL SAFETY PRECAUTIONS TAKEN WHEN HANDLING THIS PRODUCT SHOULD ALSO BE TAKEN WHEN HANDLING EMPTY DRUMS AND CONTAINERS.

OTHER PRECAUTIONS: DO NOT ADD NITRITES! THIS PRODUCT CONTAINS AMINES WHICH MAY REACT, UNDER CERTAIN CONDITIONS, WITH NITROSATING AGENTS TO FORM NITROSAMINES.

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SECTION X - HMIS/NFPA RATINGS

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HMIS:HEALTH:1 FLAMMABILITY:0 REACTIVITY:0 PERSONAL PROTECTION:B
NFPA:HEALTH:1 FLAMMABILITY:0 REACTIVITY:0 SPECIFIC HAZARD:

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SECTION XI - OTHER REGULATORY INFORMATION

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DOT HAZARDOUS DESCRIPTION: NONE

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THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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