



MATERIAL SAFETY DATA SHEET

MSDS DATE: 11/22/2013

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

IDENTITY: CENTEX LATZ

COMPANY: CENTROTRADE MINERALS & METALS INC, (dba CENTROTRADE RUBBER USA)
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CHEMICAL NAME: CENTRIFUGED LOW AMMONIA NATURAL RUBBER LATEX ;CIS 1,4 POLYISOPRENE

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>
NFPA Rating	2	0	0

ROUTES OF ENTRY: INHALATION – YES; SKIN- YES (CUTS/ABRASIONS); INGESTION – NA

POTENTIAL HEALTH EFFECTS NIOSH ALERT (NO. 97-135, JUNE 1997): WORKERS EXPOSED TO LATEX GLOVES AND OTHER PRODUCTS CONTAINING NATURAL RUBBER LATEX MAY DEVELOP ALLERGIC REACTIONS SUCH AS SKIN RASHES; HIVES; NASEL, EYE OR SINUS SYMPTIONS; ASTHMA AND (RARELY) SHOCK.

EYES: AVOID CONTACT

SKIN: AVOID CONTACT

INGESTION: DO NOT INGEST

INHALATION: USE IN WELL VENTALATED AREA

ACUTE / CHRONIC HEALTH HAZARDS: AMONIA VAPORS MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT, EYES AND NOSE. IF INGESTED, CAN CAUSE NAUSEA, VOMITING AND GASTRIC IRRITATION. PROLONGED EXPOSURE TO LATEX (WHEN LIQUID) MAY IRRITATE THE SKIN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PULMONARY / EYE

CARCINOGENICITY (OSHA: ACGIH: NTP: IARC): NTP-NO; IARC MONOGRAPHS – NO; OSHA REGULATED - NO

SIGNS AND SYMPTOMS OF EXPOSURE: AMMONIA VAPOR MAY CAUSE BURNING EYES, RUNNY NOSE, COUGHING AND POSSIBLY CHEST PAIN.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Chemical and Common Name(s))	CAS No.	Wt.%	OSHA PEL	ACGIH TLV
Ammonium Hydroxide	1336-21-6	<1.60	---	---
Ammonia	7664-41-7	---	50 ppm	25 ppm

Ammonia generated from ammonium hydroxide exists in vapor space above latex

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (CONTINUED)

NOTE: ZINC OXIDE AND TETRA METHYLTHIURAM DISULFIDE HAVE BEEN ADDED IN TRACE AMOUNTS (<0.05% TYPICALLY) AS PRESERVATIVES. DUE TO MINISCULE CONCENTRATIONS, ARE NOT ANTICIPATED TO BE A CHEMICAL HAZARD, BUT ARE LISTED FOR GENERAL PURPOSE INFORMATION ONLY

SECTION 4: FIRST AID MEASURES

EYES: FLUSH EYES IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER, CONSULT PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER. IF SKIN BECOMES IRRITATED CONSULT PHYSICIAN.

INGESTION: LATEX WILL COAGULATE IN DIGESTIVE TRACT. DO NOT INDUCE VOMITTING; CONSULT PHYSICIAN IMMEDIATELY.

INHALATION: MOVE TO FRESH AIR IMMEDIATELY; CONSULT PHYSICIAN.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS: LEL-NA; UEL-NA

FLASH POINT (METHOD): N/A

EXTINGUISHING MEDIA: WATER, FOAM, CO₂, ALL PURPOSE (ABC) DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: USE AN APPROVED, SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: RAW NATURAL LATEX DOES NOT CONTAIN ANY ANTIOXIDANTS; UNPROTECTED LATEX, IF ALLOWED TO DRY, MAY SMOLDER AND EVENTUALLY IGNITE. COMBUSTION BY-PRODUCTS – OXIDES OF CARBON

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

- IN CASE OF SPILL OR RELEASE OF PRODUCT: FLUSH SMALL/MINOR SPILLS WITH WATER. LARGE SPILLS SHOULD BE CONTAINED AND COAGULATED WITH CALCIUM CHLORIDE OR SIMILAR MATERIAL; AN ABSORBENT MATERIAL MAY ALSO BE USED. AFTER COAGULATION/ABSORPTION, SHOVEL INTO APPROPRIATE CONTAINER FOR DISPOSAL.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

- PROVIDE ADEQUATE VENTILATION IN ORDER TO STAY WITHIN TLV FOR AMMONIA VAPORS, AVOID INHALATION OF VAPORS. KEEP CONTAINERS(S) CLOSED WHEN NOT IN USE. AVOID CONTACT WITH THE EYES AND SKIN.
- AVOID EXCESSIVE HEAT AND COLD AVOID FREEZING
- CONTACT WITH ACIDS OR SALTS WILL CAUSE COAGULATION



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

VENTILATION : PROVIDE VENTILATION AS NEEDED, BY ANY MEANS, TO REMAIN WITHIN TLV.

RESPIRATORY PROTECTION: USE AN APPROVED CHEMICAL (AMMONIA) CARTRIDGE RESPIRATOR IF VAPORS ARE EXCESSIVE.

EYE PROTECTION: FACE SHIELD, SAFETY GLASSES OR GOGGLES

SKIN PROTECTION: PROTECTIVE GLOVES (NEOPRENE OR NITRILE) IF NECESSARY, TO AVOID CONTACT WITH SKIN.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NA

WORK HYGIENIC PRACTICES: ANY AREA OF THE BODY, WHICH HAS COME IN CONTACT WITH THIS PRODUCT, SHOULD BE WASHED WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING PRIOR TO REUSE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: WHITE, MILKY LIQUID

ODOR: AMMONIA ODOR

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: > 9.0 (TYPICAL)
pH (Other):

BOILING POINT: C: 100 (WATER PHASE)

MELTING POINT: NA

FREEZING POINT: C:

VAPOR PRESSURE (mmHg): 760 @ C:100 (WATER PHASE)

VAPOR DENSITY (AIR = 1): 0.63 (WATER PHASE)

SPECIFIC GRAVITY (H₂O = 1): > 0.93 (TYPICAL)

EVAPORATION RATE: NA

BASIS (=1):

SOLUBILITY IN WATER: MISCIBLE

PERCENT SOLIDS BY WEIGHT: ~ 60-62 %(TYPICAL)

PERCENT VOLATILE: BY VOL @ 36-42

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY): NA

INCOMPATIBILITY (MATERIAL TO AVOID): ACIDS/SALTS CAUSE COAGULATION

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: AMMONIA (WHEN LIQUID); OXIDES BY CARBON BY COMBUSTION (WHEN DRY AND UNPROTECTED)

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NATURAL PRODUCT; NON-TOXIC

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NATURAL PRODUCT; NO KNOWN HARMFUL ECOLOGICAL EFFECT

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: INCINERATE OR DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS OF NON-HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: NATURAL RUBBER LATEX (LIQUID)
HAZARD CLASS: N/A
ID NUMBER: 4001.10.000
PACKING GROUP: N/A
LABEL STATEMENT: N/A

WATER TRANSPORTATION

PROPER SHIPPING NAME: NATURAL RUBBER LATEX (LIQUID)
HAZARD CLASS: N/A
ID NUMBER: 4001.10.000
PACKING GROUP: N/A
LABEL STATEMENT: N/A

AIR TRANSPORTATION

PROPER SHIPPING NAME: NATURAL RUBBER LATEX (LIQUID)
HAZARD CLASS: N/A
ID NUMBER: 4001.10.000
PACKING GROUP: N/A



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LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS NOT REGULATED
TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES: NONE OF THE ABOVE ARE APPLICABLE TO THIS PRODUCT

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: HEALTH HAZARDS ASSOCIATED WITH THIS PRODUCT ARE DUE PRIMARILY TO THE PRESENCE OF AMMONIA. AMMONIA MAY BE RELEASED DURING HANDLING OF THE LATEX IN OPEN CONTAINER. SINCE AMMONIA HAS AN EXTREMELY LOW THRESHOLD ODOR (< 1 PPM). THE ODOR OF AMMONIA WILL BE NOTICABLE AND MAY PRODUCE DISCOMFORT, EVEN THOUGH THE AIRBORNE CONCENTRATIONS MAYBE BELOW THE OSHA PEL ON THE ACGIH TLV. THEREFORE, THE USER MUST DETERMINE THE EMPLOYEE EXPOSURE TO AMMONIA IN HIS/ HER FACILITY.

DISCLAIMER:

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