Lambsmead Limited

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HEALTH & SAFETY INFORMATION

PRODUCT : NITRIC ACID

HAZARD CLASS : UN NO.: *1910* *CAS NO.: 7697-37-2*

PHYSICAL DATA

DESCRIPTION: Clear, colourless to slightly yellow liquid. Sharp, pungent, irritating odour.
BOILING POINT: 248 to 252 degree F
SPECIFIC GRAVITY: 1.37 to 1.41
SOLUBILITY IN WATER:
VAPOUR PRESSURE: 49 to 55 mmHg. at 77 degree F

FIRE & EXPLOSION HAZARD:

Closed containers may generate internal gas pressure (hydrogen) due to corrosion. Hydrogen is highly flammable/explosive. Overpressure may rupture container resulting in or accelerate fire.

FIRST AID:

EYES: Emergency wash with water for 20-30 minutes. OBTAIN MEDICAL ATTENTION.

LUNGS: Inhalation of product's vapour is severely irritating to the mucous membranes and respiratory tract causing dryness in the throat and nose, headache, nausea. Cough, production of frothy sputum, chest pain and shortness of breath. If overcome by exposure remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. OBTAIN MEDICAL ATTENTION.

SKIN: Immediately flush with water for at least 15 minutes. Remove contaminated clothing and wash skin with plenty of soap and water. Wash clothing before re-using. OBTAIN MEDICAL ATTENTION.

MOUTH: If large quantity swallowed, give lukewarm water (½ litre) if victim completely conscious. Do not induce vomiting. OBTAIN MEDICAL ATTENTION.

OTHER KNOWN HAZARDS:
AVOID CONTACT WITH: Strong oxidizers, various metals, especially when powdered, bases, carbides, sulfides, fulminates, picrates, chlorates, oxidizable inorganic compounds, organic chemicals, turpentine and combustible materials.

SPILLAGE DISPOSAL: May contaminate water supplies, corrode equipment, be toxic to aquatic life, irritate eyes and skin. Soak up small spill with inert solids. Use non-corrodible disposal container. Neutralise collected waste before discharge.

PROTECTIVE MEASURES as appropriate to quantity handled

STORAGE & HANDLING: Do not store in corrodible metal. Store away from heat/moisture. Inspect frequently to identify bulging or leaking containers. Isolate/de-pressure if safe to do so. Store so fire extinguishing media can be applied to all containers from a safe distance, protected location.