

Sep 26 13:59 1988 MSD

MSDS # 09961



IDENTIFICATION
NAME: HYDROBROMIC ACID 48% SOLUTION

PRODUCT #:
CAS #: 10035-10-6

SYNONYMS

ACIDE BROMHYDRIQUE (FRENCH) * ACIDO BROMIDRICO (ITALIAN) * ANHYDROUS
HYDROBROMIC ACID * BROMOWODOR (POLISH) * BROMWASSERSTOFF (GERMAN) *
BROMWATERSTOF (DUTCH) * HYDROBROMIC ACID, ANHYDROUS (DOT) * HYDROGEN
BROMIDE * HYDROGEN BROMIDE (ACGIH, DOT) * UN 1048 (DOT) * UN 1788 (DOT)

TOXICITY HAZARDS

RTECS NO: MW3850000
HYDROBROMIC ACID

TOXICITY DATA

IHL-RAT LC50:2858 PPM/1H	NTIS** PB214-270
IPR-RAT LD50:76 MG/KG	GISAAA 41(1),105,76
IHL-MUS LC50:814 PPM/1H	NTIS** PB214-270

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV-CL 3 PPM 85INA8 5,312,86
MSHA STANDARD-AIR:TWA 3 PPM (10 MG/M3) DTLVS* 3,128,71
OSHA STANDARD-AIR:TWA 3 PPM FEREAC 39,23540,74
EPA TSCA CHEMICAL INVENTORY, 1986
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JUNE 1987
NIOSH ANALYTICAL METHODS: SEE ACIDS, INORGANIC, 7903

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.
CAUSES BURNS.
MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES
AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA
OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND
VOMITING.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.
ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS
WITH FINGERS.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
CALL A PHYSICIAN.
REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

PHYSICAL DATA

SPECIFIC GRAVITY: 1.490
VAPOR DENSITY: 2.8

FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: NONE BY:

EXTINGUISHING MEDIA

NON-COMBUSTIBLE.
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
DO NOT USE DRY CHEMICAL POWDER EXTINGUISHER ON THIS MATERIAL.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

REACTIVITY DATA

INCOMPATIBILITIES

BASES
OXIDIZING AGENTS
AMMONIA
AVOID CONTACT WITH METALS.
AIR SENSITIVE
LIGHT SENSITIVE

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