

SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	340893
NAME:	1,1-Diethoxy-2-bromoethane
SYNONYMS:	2,2-Diethoxyethyl bromide Bromoacetaldehyde diethyl acetal
24 HOUR EMERGENCY TELEPHONE:	Within USA/Canada: +1 800-633-8253
TELEFHONE.	Outside USA/Canada: +1 801-629-0667
TO REQUEST AN MSDS:	+1 888-535-2444
CUSTOMER SERVICE:	+1 888-535-2444

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS) FLAMMABLE LIQUIDS (CATEGORY 4), H227 ACUTE TOXICITY, ORAL (CATEGORY 3), H301 ACUTE TOXICITY, INHALATION (CATEGORY 2), H330 SKIN IRRITATION (CATEGORY 2), H315 EYE IRRITATION (CATEGORY 2A), H319

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS PICTOGRAM



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

1121120121(10)		
H227	COMBUSTIBLE LIQUID	
H301	TOXIC IF SWALLOWED.	
H315	CAUSES SKIN IRRITATION.	
H319	CAUSES SERIOUS EYE IRRITATION.	
H330	FATAL IF INHALED.	

PRECAUTIONARY STAT	TEMENT(S)
P210	KEEP AWAY FROM HEAT/SPARKS/OPEN
	FLAMES/HOT SURFACES NO SMOKING.
P260	DO NOT BREATHE DUST/ FUME/ GAS/ MIST/
	VAPOURS/ SPRAY.
P264	WASH SKIN THOROUGHLY AFTER HANDLING.
P270	DO NOT EAT, DRINK OR SMOKE WHEN USING THIS
	PRODUCT.
P271	USE ONLY OUTDOORS OR IN A WELL-VENTILATED
	AREA.
P280	WEAR PROTECTIVE GLOVES/ PROTECTIVE
	CLOTHING/ EYE PROTECTION/ FACE PROTECTION.
P284	WEAR RESPIRATORY PROTECTION.
P301 + P310	IF SWALLOWED: IMMEDIATELY CALL A POISON
	CENTER OR DOCTOR/PHYSICIAN.
P302 + P352	IF ON SKIN: WASH WITH PLENTY OF SOAP AND
	WATER.
P304 + P340	IF INHALED: REMOVE VICTIM TO FRESH AIR AND
	KEEP AT REST IN A POSITION COMFORTABLE FOR
	BREATHING.
P305 + P351 + P338	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR
	SEVERAL MINUTES. REMOVE CONTACT LENSES, IF
	PRESENT AND EASY TO DO. CONTINUE RINSING.
P310	IMMEDIATELY CALL A POISON CENTER OR
	DOCTOR/ PHYSICIAN.
P320	SPECIFIC TREATMENT IS URGENT (SEE
	SUPPLEMENTAL FIRST AID INSTRUCTIONS ON
	THIS LABEL).
P330	RINSE MOUTH.
P332 + P313	IF SKIN IRRITATION OCCURS: GET MEDICAL
	ADVICE/ ATTENTION.
P337 + P313	IF EYE IRRITATION PERSISTS: GET MEDICAL
	ADVICE/ ATTENTION.
P362	TAKE OFF CONTAMINATED CLOTHING AND WASH
	BEFORE REUSE.
P370 + P378	IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL
	OR ALCOHOL-RESISTANT FOAM FOR EXTINCTION.
P403 + P233	STORE IN A WELL-VENTILATED PLACE. KEEP
	CONTAINER TIGHTLY CLOSED.
P403 + P235	STORE IN A WELL-VENTILATED PLACE. KEEP
	COOL.
P405	STORE LOCKED UP.
P501	DISPOSE OF CONTENTS/ CONTAINER TO AN
	APPROVED WASTE DISPOSAL PLANT.
HAZARDS NOT	NONE
OTHERWISE	
CLASSIFIED (HNOC)	
OR NOT COVERED BY	
GHS	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:

 $C_6H_{13}BrO_2$

MW:

CAS-NO. 2032-35-1

PURITY: \geq 98.5% (GC)

HAZARDOUS COMPONENTS	

COMPONENT	CLASSIFICATION	CONCENTRATION
1,1-Diethoxy-2-bromoetha	ne	
	FLAM. LIQ. 4; ACUTE TOX. 3;	-
	ACUTE TOX. 2; SKIN IRRIT. 2;	
	EYE IRRIT. 2A; H227, H301,	
	H315, H319, H330	
EOD THE ELL L TEXT OF THE ILSTATEMENTS MENTIONED IN THIS SECTION SEE		

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES		
GENERAL ADVICE	CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA	
	SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF	
	DANGEROUS AREA.	
IF INHALED	IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT	
	BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A	
	PHYSICIAN.	
IN CASE OF SKIN	WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE	
CONTACT	VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A	
	PHYSICIAN.	
IN CASE OF EYE CONTACT	RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT	
	LEAST 15 MINUTES AND CONSULT A PHYSICIAN.	
IF SWALLOWED	DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY	
	MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH	
	WITH WATER. CONSULT A PHYSICIAN.	
MOST IMPORTANT	THE MOST IMPORTANT KNOWN SYMPTOMS AND	
SYMPTOMS AND EFFECTS,	EFFECTS ARE DESCRIBED IN THE LABELLING (SEE	
BOTH ACUTE AND	SECTION 2.2) AND/OR IN SECTION 11	
DELAYED		
INDICATION OF ANY	NO DATA AVAILABLE	
IMMEDIATE MEDICAL		
ATTENTION AND SPECIAL		
TREATMENT NEEDED		

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA	
SUITABLE EXTINGUISHING	USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY
MEDIA	CHEMICAL OR CARBON DIOXIDE.
SPECIAL HAZARDS	CARBON OXIDES, HYDROGEN BROMIDE GAS
ARISING FROM THE	
SUBSTANCE OR MIXTURE	
ADVICE FOR	WEAR SELF CONTAINED BREATHING APPARATUS FOR
FIREFIGHTERS	FIRE FIGHTING IF NECESSARY.
FURTHER INFORMATION	USE WATER SPRAY TO COOL UNOPENED CONTAINERS.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS,	WEAR RESPIRATORY PROTECTION. AVOID BREATHING
PROTECTIVE EQUIPMENT	VAPOURS, MIST OR GAS. ENSURE ADEQUATE
AND EMERGENCY	VENTILATION. REMOVE ALL SOURCES OF IGNITION.
PROCEDURES	EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF
	VAPOURS ACCUMULATING TO FORM EXPLOSIVE
	CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN
	LOW AREAS.
	FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO
PRECAUTIONS	DO SO. DO NOT LET PRODUCT ENTER DRAINS.
METHODS AND	CONTAIN SPILLAGE, AND THEN COLLECT WITH AN
MATERIALS FOR	ELECTRICALLY PROTECTED VACUUM CLEANER OR BY
CONTAINMENT AND	WET-BRUSHING AND PLACE IN CONTAINER FOR
CLEANING UP	DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE
	SECTION 13). KEEP IN SUITABLE, CLOSED CONTAINERS
	FOR DISPOSAL.
REFERENCE TO OTHER	FOR DISPOSAL SEE SECTION 13.
SECTIONS	

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE	AVOID CONTACT WITH SKIN AND EYES. AVOID
HANDLING	INHALATION OF VAPOUR OR MIST.
	KEEP AWAY FROM SOURCES OF IGNITION - NO
	SMOKING.TAKE MEASURES TO PREVENT THE BUILD UP
	OF ELECTROSTATIC CHARGE.
	FOR PRECAUTIONS SEE SECTION 2.2.
CONDITIONS FOR SAFE	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND
STORAGE, INCLUDING	WELL-VENTILATED PLACE. CONTAINERS WHICH ARE
ANY INCOMPATIBILITIES	OPENED MUST BE CAREFULLY RESEALED AND KEPT
	UPRIGHT TO PREVENT LEAKAGE.
	RECOMMENDED STORAGE TEMPERATURE: 2 - 8 C
	PROTECT FROM FROST, HEAT AND SUNLIGHT. MAY
	DARKEN ON STORAGE
SPECIFIC END USE(S)	APART FROM THE USES MENTIONED IN SECTION 1.2 NO
	OTHER SPECIFIC USES ARE STIPULATED

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

EXPOSURE CONTROLS

APPROPRIATE

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH ENGINEERING CONTROLS HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION	FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS
SKIN PROTECTION	NIOSH (US) OR EN 166(EU). HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE''S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.
	FULL CONTACT MATERIAL: FLUORINATED RUBBER MINIMUM LAYER THICKNESS: 0.7 MM BREAK THROUGH TIME: 480 MIN MATERIAL TESTED:VITOJECT (KCL 890, SIZE M)
	SPLASH CONTACT MATERIAL: NITRILE RUBBER MINIMUM LAYER THICKNESS: 0.4 MM BREAK THROUGH TIME: 30 MIN MATERIAL TESTED:CAMATRIL (KCL 730, SIZE M)
	IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE
BODY PROTECTION	SCENARIO. COMPLETE SUIT PROTECTING AGAINST CHEMICALS, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC
RESPIRATORY PROTECTION	WORKPLACE. WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE RESPIRATOR WITH MULTI- PURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).
CONTROL OF ENVIRONMENTAL EXPOSURE	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, colorless to yellow liquid
ODOUR	STENCH.
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	NO DATA AVAILABLE
MELTING	
POINT/FREEZING POINT	
BOILING POINT	66-67 °C
FLASH POINT	65 °C - closed cup
EVAPOURATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID,	NO DATA AVAILABLE
GAS)	
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR	
EXPLOSIVE LIMITS	
VAPOUR PRESSURE	NO DATA AVAILABLE
VAPOUR DENSITY	NO DATA AVAILABLE
RELATIVE DENSITY	1.31 g/mL at 25 °C
WATER SOLUBILITY	NO DATA AVAILABLE
PARTITION COEFFICIENT:	NO DATA AVAILABLE
N- OCTANOL/WATER	
AUTO-IGNITION	NO DATA AVAILABLE
TEMPERATURE	
DECOMPOSITION	>170 C
TEMPERATURE	
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE PROPERTIES	NO DATA AVAILABLE
OXIDIZING PROPERTIES	NO DATA AVAILABLE
OTHER SAFETY	NO DATA AVAILABLE
INFORMATION	

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	NO DATA AVAILABLE
CHEMICAL STABILITY	STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
POSSIBILITY OF	NO DATA AVAILABLE
HAZARDOUS REACTIONS	
CONDITIONS TO AVOID	HEAT, FLAMES AND SPARKS.
INCOMPATIBLE	STRONG OXIDIZING AGENTS, ACIDS
MATERIALS	
HAZARDOUS	OTHER DECOMPOSITION PRODUCTS - NO DATA
DECOMPOSITION	AVAILABLE
PRODUCTS	IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY LD50 ORAL - RAT - 233 MG/KG

LC50 INHALATION - RAT - 4 H - 0.61 MG/L

DERMAL: NO DATA AVAILABLE

NO DATA AVAILABLE

SKIN CORROSION/IRRITATION	SKIN RABBIT RESULT: SKIN IRRITATION
SERIOUS EYE DAMAGE/EYE IRRITATION	(DRAIZE TEST) EYES RABBIT RESULT: EYE IRRITATION
RESPIRATORY OR SKIN SENSITISATION	(DRAIZE TEST) NO DATA AVAILABLE
GERM CELL MUTAGENICITY CARCINOGENICITY	NO DATA AVAILABLE
IARC:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.
ACGIH:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.
NTP:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.
REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
ADDITIONAL	RTECS: NOT AVAILABLE
INFORMATION	INHALATION OF VAPORS MAY CAUSE:, LUNG IRRITATION, COUGH, SHORTNESS OF BREATH, CONTACT
	WITH SKIN CAN CAUSE:, IRRITATION, CONTACT WITH
	EYES CAN CAUSE:, EYE IRRITATION, EXPOSURE MAY
	CAUSE EXCESSIVE LACRIMATION AND A SENSATION OF SEEING HALOS OR COLORED RINGS AROUND LIGHTS.,
	EFFECTS DUE TO INGESTION MAY INCLUDE:,
	GASTROINTESTINAL DISTURBANCE, NAUSEA,
	HEADACHE, DIZZINESS

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY PERSISTENCE AND DEGRADABILITY BIOACCUMULATIVE POTENTIAL MOBILITY IN SOIL RESULTS OF PBT AND VPVB ASSESSMENT NO DATA AVAILABLE NO DATA AVAILABLE

NO DATA AVAILABLE

NO DATA AVAILABLE PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS	
PRODUCT	CONTACT A LICENSED PROFESSIONAL WASTE
	DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.
	THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A
	CHEMICAL INCINERATOR EQUIPPED WITH AN
	AFTERBURNER AND SCRUBBER. OFFER SURPLUS AND
	NON-RECYCLABLE SOLUTIONS TO A LICENSED
	DISPOSAL COMPANY.
CONTAMINATED	DISPOSE OF AS UNUSED PRODUCT.
PACKAGING	

SECTION 14. TRANSPORT INFORMATION

DOT (US)	
PROPER SHIPPING NAME:	TOXIC, LIQUIDS, ORGANIC, N.O.S. (1,1-Diethoxy-2- bromoethane)
UN NUMBER:	2810
CLASS:	6.1
PACKING GROUP:	III
MARINE POLLUTANT:	NO
POISON INHALATION	NO
HAZARD:	
IMDG	
PROPER SHIPPING NAME:	TOXIC LIQUID, ORGANIC, N.O.S. (1,1-Diethoxy-2- bromoethane)
UN NUMBER:	2810
CLASS:	6.1
PACKING GROUP:	III
EMS-NO:	F-A, S-A
MARINE POLLUTANT:	NO
IATA	
PROPER SHIPPING NAME:	TOXIC LIQUID, ORGANIC, N.O.S. (1,1-Diethoxy-2- bromoethane)
UN NUMBER:	2810
CLASS:	6.1
PACKING GROUP:	III

SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS	SARA 302: NO CHEMICALS IN THIS MATERIAL ARE
	SUBJECT TO THE REPORTING REQUIREMENTS OF SARA
	TITLE III, SECTION 302.
SARA 313 COMPONENTS	SARA 313: THIS MATERIAL DOES NOT CONTAIN ANY
	CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS
	THAT EXCEED THE THRESHOLD (DE MINIMIS)
	REPORTING LEVELS ESTABLISHED BY SARA TITLE III,
	SECTION 313.
	THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III,

SARA 311/312 HAZARDS	FIRE HAZARD, ACUTE HEAL	LTH HAZARD
MASSACHUSETTS RIGHT	NO COMPONENTS ARE SUB.	JECT TO THE
TO KNOW COMPONENTS	MASSACHUSETTS RIGHT TO	D KNOW ACT.
PENNSYLVANIA RIGHT TO KNOW COMPONENTS		
	CAS #	REVISION DATE
1,1-Diethoxy-2-bromoethane	2032-35-1	
NEW JERSEY RIGHT TO KNOW COMPONENTS		
	CAS #	REVISION DATE
1,1-Diethoxy-2-bromoethane	2032-35-1	
CALIFORNIA PROP. 65	THIS PRODUCT DOES NOT C	CONTAIN ANY CHEMICALS
COMPONENTS	KNOWN TO STATE OF CALI	FORNIA TO CAUSE CANCER,
	BIRTH DEFECTS, OR ANY OT	THER REPRODUCTIVE HARM.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.		
ACUTE TOX.	ACUTE TOXICITY	
EYE IRRIT.	EYE IRRITATION	
FLAM. LIQ.	FLAMMABLE LIQUIDS	
H227	COMBUSTIBLE LIQUID	
H301	TOXIC IF SWALLOWED.	
H315	CAUSES SKIN IRRITATION.	
H319	CAUSES SERIOUS EYE IRRITATION.	
H330	FATAL IF INHALED.	
HMIS RATING		
HEALTH HAZARD:	2	
CHRONIC HEALTH		
HAZARD:		
FLAMMABILITY:	2	
PHYSICAL HAZARD	0	
NFPA RATING		
HEALTH HAZARD:	2	
FIRE HAZARD:	2	
REACTIVITY HAZARD:	0	

MSDS LEGEND	
MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENENTAL INDUSTRIAL
	HYGINISTS
CAS:	CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)
IMPORTANT:	

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