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# SAFETY DATA SHEET

# SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 42848

NAME: 2-Methyltetrahydrofuran (stabilized with BHT)

SYNONYMS: Tetrahydro-2-methylfuran (stabilized with BHT)

24 HOUR EMERGENCY

TELEPHONE:

(800) 535-5053(USA)

352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE:

(630) 766-2112

# SECTION 2. HAZARDS IDENTIFICATION

# CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

FLAMMABLE LIQUIDS (CATEGORY 2), H225 ACUTE TOXICITY, ORAL (CATEGORY 4), H302 SKIN IRRITATION (CATEGORY 2), H315 SERIOUS EYE DAMAGE (CATEGORY 1), H318 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)**

H225 HIGHLY FLAMMABLE LIQUID AND VAPOR.

H302 HARMFUL IF SWALLOWED.
 H315 CAUSES SKIN IRRITATION.
 H318 CAUSES SERIOUS EYE DAMAGE.

#### PRECAUTIONARY STATEMENT(S)

SURFACES. - NO SMOKING.

P233 KEEP CONTAINER TIGHTLY CLOSED.

P240 GROUND/BOND CONTAINER AND RECEIVING EOUIPMENT.

P241 USE EXPLOSION-PROOF ELECTRICAL/ VENTILATING/

LIGHTING/ EQUIPMENT.

P242 USE ONLY NON-SPARKING TOOLS.

P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC

DISCHARGE.

P264 WASH SKIN THOROUGHLY AFTER HANDLING.

P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS

PRODUCT.

P280 WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE

PROTECTION.

P301 + P312 + P330 IF SWALLOWED: CALL A POISON CENTER/DOCTOR IF YOU

FEEL UNWELL. RINSE MOUTH.

P303 + P361 + P353 IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY

ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/

SHOWER.

P305 + P351 + P338 + IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL

P310 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND

EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A

POISON CENTER/DOCTOR.

P332 + P313 IF SKIN IRRITATION OCCURS: 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 TO EXTINGUISH.

P403 + P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL.

P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED

WASTE DISPOSAL PLANT.

**HAZARDS NOT** MAY FORM EXPLOSIVE PEROXIDES.

**OTHERWISE** 

CLASSIFIED (HNOC) OR NOT COVERED BY GHS

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:  $C_5H_{10}O$ 

MW: 86.13

CAS-NO. 96-47-9

PURITY:  $\geq 99\%$  (GC)

## HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION
2-Methyltetrahydrofuran (stabilized with BHT)		
	FLAM. LIQ. 2; ACUTE TOX. 4;	<= 100 %
	SKIN IRRIT. 2; EYE DAM. 1;	
	H225, H302, H315, H318	

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 SHOW THIS MATERIAL SAFETY DATA SHEET TO THE

DOCTOR IN ATTENDANCE.

**IF INHALED** AFTER INHALATION: FRESH AIR.

IN CASE OF SKIN IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY

ALL CONTAMINATED CLOTHING. RINSE SKIN WITH

WATER/ SHOWER.

IN CASE OF EYE AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF

WATER. IMMEDIATELY CALL IN OPHTHALMOLOGIST.

REMOVE CONTACT LENSES.

**IF SWALLOWED** AFTER SWALLOWING: CAUTION IF VICTIM VOMITS.

RISK OF ASPIRATION! KEEP AIRWAYS FREE.

PULMONARY FAILURE POSSIBLE AFTER ASPIRATION

OF VOMIT. CALL A PHYSICIAN IMMEDIATELY.

MOST IMPORTANT SYMPTOMS AND

EFFECTS, BOTH ACUTE

AND DELAYED

**CONTACT** 

**CONTACT** 

THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE

SECTION 2.2) AND/OR IN SECTION 11

**INDICATION OF ANY IMMEDIATE MEDICAL** ATTENTION AND SPECIAL TREATMENT **NEEDED** 

NO DATA AVAILABLE

#### SECTION 5. FIRE AND EXPLOSION DATA

## **EXTINGUISHING MEDIA**

**SUITABLE** SUITABLE EXTINGUISHING MEDIA

**EXTINGUISHING MEDIA** CARBON DIOXIDE (CO2) FOAM DRY POWDER

UNSUITABLE EXTINGUISHING MEDIA

FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF

EXTINGUISHING AGENTS ARE GIVEN.

SPECIAL HAZARDS CARBON OXIDES ARISING FROM THE COMBUSTIBLE.

SUBSTANCE OR MIXTURE PAY ATTENTION TO FLASHBACK.

VAPORS ARE HEAVIER THAN AIR AND MAY SPREAD

ALONG FLOORS.

DEVELOPMENT OF HAZARDOUS COMBUSTION GASES

OR VAPOURS POSSIBLE IN THE EVENT OF FIRE.

FORMS EXPLOSIVE MIXTURES WITH AIR AT AMBIENT

TEMPERATURES.

ADVICE FOR WEAR SELF-CONTAINED BREATHING APPARATUS FOR **FIREFIGHTERS** 

FIREFIGHTING IF NECESSARY.STAY IN DANGER AREA

ONLY WITH SELF-CONTAINED BREATHING

APPARATUS. PREVENT SKIN CONTACT BY KEEPING A

SAFE DISTANCE OR BY WEARING SUITABLE

PROTECTIVE CLOTHING.

**FURTHER INFORMATION** REMOVE CONTAINER FROM DANGER ZONE AND

> COOL WITH WATER, PREVENT FIRE EXTINGUISHING WATER FROM CONTAMINATING SURFACE WATER OR

THE GROUND WATER SYSTEM.

# SECTION 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL** PRECAUTIONS, **PROTECTIVE EQUIPMENT AND** 

ADVICE FOR NON-EMERGENCY PERSONNEL: DO NOT BREATHE VAPORS, AEROSOLS. AVOID SUBSTANCE CONTACT. ENSURE ADEOUATE VENTILATION. KEEP AWAY FROM HEAT AND SOURCES OF IGNITION.

**EMERGENCY** EVACUATE THE DANGER AREA, OBSERVE

**PROCEDURES** EMERGENCY PROCEDURES, CONSULT AN EXPERT.

FOR PERSONAL PROTECTION SEE SECTION 8.

DO NOT LET PRODUCT ENTER DRAINS. RISK OF **ENVIRONMENTAL** 

**PRECAUTIONS** EXPLOSION.

**METHODS AND** COVER DRAINS. COLLECT, BIND, AND PUMP OFF MATERIALS FOR SPILLS. OBSERVE POSSIBLE MATERIAL RESTRICTIONS **CONTAINMENT AND** (SEE SECTIONS 7 AND 10). TAKE UP WITH LIQUID-ABSORBENT MATERIAL (E.G. CHEMIZORB ). DISPOSE **CLEANING UP** 

OF PROPERLY, CLEAN UP AFFECTED AREA.

FOR DISPOSAL SEE SECTION 13. REFERENCE TO OTHER

**SECTIONS** 

# SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND HANDLING

SOURCES OF IGNITION. TAKE PRECAUTIONARY

MEASURES AGAINST STATIC DISCHARGE.

IMMEDIATELY CHANGE CONTAMINATED CLOTHING. APPLY PREVENTIVE SKIN PROTECTION. WASH HANDS

AND FACE AFTER WORKING WITH SUBSTANCE.

FOR PRECAUTIONS SEE SECTION 2.2.

CONDITIONS FOR SAFE KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND STORAGE, INCLUDING WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT

ANY INCOMPATIBILITIES AND SOURCES OF IGNITION.

TEST FOR PEROXIDE FORMATION PERIODICALLY AND

BEFORE DISTILLATION.

Store at RT

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**

APPROPRIATEIMMEDIATELY CHANGE CONTAMINATED CLOTHING.ENGINEERINGAPPLY PREVENTIVE SKIN PROTECTION. WASH HANDSCONTROLSAND FACE AFTER WORKING WITH SUBSTANCE.

## PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION USE EQUIPMENT FOR EYE PROTECTION TESTED AND

APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

TIGHTLY FITTING SAFETY GOGGLES

**SKIN PROTECTION** THIS RECOMMENDATION APPLIES ONLY TO THE

PRODUCT STATED IN THE SAFETY DATA SHEET, SUPPLIED BY US AND FOR THE DESIGNATED USE. WHEN DISSOLVING IN OR MIXING WITH OTHER SUBSTANCES AND UNDER CONDITIONS DEVIATING FROM THOSE STATED IN EN374 PLEASE CONTACT THE

SUPPLIER OF CE-APPROVED GLOVES.

SPLASH CONTACT

MATERIAL: BUTYL-RUBBER MINIMUM LAYER THICKNESS: 0.7 MM BREAK THROUGH TIME: 10 MIN MATERIAL TESTED:BUTOJECT (KCL 898)

**BODY PROTECTION** FLAME RETARDANT ANTISTATIC PROTECTIVE

CLOTHING.

**RESPIRATORY** REQUIRED WHEN VAPOURS/AEROSOLS ARE

**PROTECTION** GENERATED. OUR RECOMMENDATIONS ON FILTERING

RESPIRATORY PROTECTION ARE BASED ON THE FOLLOWING STANDARDS: DIN EN 143, DIN 14387 AND OTHER ACCOMPANYING STANDARDS RELATING TO THE USED RESPIRATORY PROTECTION SYSTEM.

CONTROL OF

ENVIRONMENTAL

EXPOSURE

DO NOT LET PRODUCT ENTER DRAINS. RISK OF

EXPLOSION.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

# INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Clear colorless liquid
ODOUR NO DATA AVAILABLE
ODOUR THRESHOLD NO DATA AVAILABLE
PH NO DATA AVAILABLE

MELTING -136 °C (Lit.)

POINT/FREEZING POINT

INITIAL BOILING POINT 78 °C (Lit.)

AND BOILING RANGE

FLASH POINT -11 °C (Lit.)

EVAPORATION RATE NO DATA AVAILABLE FLAMMABILITY (SOLID, NO DATA AVAILABLE

GAS)

UPPER/LOWER UPPER EXPLOSION LIMIT: 5.7 %(V) FLAMMABILITY OR LOWER EXPLOSION LIMIT: 1.2 %(V)

EXPLOSIVE LIMITS

VAPOUR PRESSURE NO DATA AVAILABLE VAPOUR DENSITY NO DATA AVAILABLE

RELATIVE DENSITY 0.86

WATER SOLUBILITY 140 G/L - COMPLETELY SOLUBLE

PARTITION COEFFICIENT: LOG POW: 1.35 - BIOACCUMULATION IS NOT EXPECTED.

N- OCTANOL/WATER (LI'

AUTO-IGNITION 260 C AT 995 - 1,009 HPA

**TEMPERATURE** 

DECOMPOSITION NO DATA AVAILABLE

TEMPERATURE

VISCOSITY 0.576 MM2/S AT 20 C - OECD TEST GUIDELINE 114

0.484 MM2/S AT 40 C - OECD TEST GUIDELINE 114

EXPLOSIVE PROPERTIES NO DATA AVAILABLE OXIDIZING PROPERTIES NO DATA AVAILABLE

OTHER SAFETY INFORMATION

NO DATA AVAILABLE

# SECTION 10. STABILITY AND REACTIVITY

**REACTIVITY** FORMATION OF PEROXIDES POSSIBLE. VAPORS MAY

FORM EXPLOSIVE MIXTURE WITH AIR.

CHEMICAL STABILITY THE PRODUCT IS CHEMICALLY STABLE UNDER

STANDARD AMBIENT CONDITIONS (ROOM

TEMPERATURE)

**POSSIBILITY OF** VIOLENT REACTIONS POSSIBLE WITH:

HAZARDOUSOXIDIZING AGENTSREACTIONSSTRONG ACIDS

**BASES** 

RISK OF EXPLOSION WITH:

**OXYGEN** 

**CONDITIONS TO AVOID** WARMING.

MOISTURE.

**INCOMPATIBLE** STRONG OXIDIZING AGENTS, RUBBER **MATERIALS** 

HAZARDOUS PEROXIDES

**DECOMPOSITION** IN THE EVENT OF FIRE: SEE SECTION 5

**PRODUCTS** 

# SECTION 11. TOXICOLOGICAL INFORMATION

# INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY LD50 ORAL - RAT - FEMALE - > 300 - 2,000 MG/KG

(OECD TEST GUIDELINE 420)

SYMPTOMS: IRRITATIONS OF MUCOUS MEMBRANES IN THE MOUTH, PHARYNX, OESOPHAGUS AND GASTROINTESTINAL TRACT., RISK OF ASPIRATION UPON VOMITING., ASPIRATION MAY CAUSE

UPON VOMITING., ASPIRATION MAY CAUSE PULMONARY EDEMA AND PNEUMONITIS.

INHALATION: IRRITATING TO RESPIRATORY SYSTEM.

SYMPTOMS: POSSIBLE DAMAGES:, MUCOSAL

**IRRITATIONS** 

LD50 DERMAL - RAT - MALE AND FEMALE - > 2,000

MG/KG

(OECD TEST GUIDELINE 402)

NO DATA AVAILABLE

SKIN - IN VITRO STUDY

**CORROSION/IRRITATION** RESULT: IRRITATING - 15 MIN

(OECD TEST GUIDELINE 439)

SERIOUS EYE EYES - IN VITRO STUDY

**DAMAGE/EYE IRRITATION** RESULT: CORROSIVE - 10 MIN

(OECD TEST GUIDELINE 437)

RESPIRATORY OR SKIN

SENSITISATION

LOCAL LYMPH NODE ASSAY (LLNA) MOUSE

**RESULT: NEGATIVE** 

(OECD TEST GUIDELINE 429)

GERM CELL AMES TEST

MUTAGENICITY SALMONELLA TYPHIMURIUM

**RESULT: NEGATIVE** 

IN VITRO MAMMALIAN CELL GENE MUTATION TEST

MOUSE LYMPHOMA TEST RESULT: NEGATIVE

**CARCINOGENICITY** 

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.

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 ON OSHA S LIST OF REGULATED CARCINOGENS.

REPRODUCTIVE TOXICITY NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE** 

**EXPOSURE** 

ACUTE ORAL TOXICITY - IRRITATIONS OF MUCOUS

MEMBRANES IN THE MOUTH, PHARYNX,

OESOPHAGUS AND GASTROINTESTINAL TRACT., RISK OF ASPIRATION UPON VOMITING., ASPIRATION

MAY CAUSE PULMONARY EDEMA AND

PNEUMONITIS. ACUTE INHALATION TOXICITY -POSSIBLE DAMAGES:, MUCOSAL IRRITATIONS

SPECIFIC TARGET ORGAN **TOXICITY - REPEATED** 

**EXPOSURE** 

NO DATA AVAILABLE

ASPIRATION HAZARD

NO DATA AVAILABLE

ADDITIONAL **INFORMATION**  REPEATED DOSE TOXICITY - RAT - MALE AND FEMALE - ORAL - 90 DAYS - NOAEL (NO OBSERVED

ADVERSE EFFECT LEVEL) - 250 MG/KG

RTECS: LU2800000

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE

NOT BEEN THOROUGHLY INVESTIGATED.

SYSTEMIC EFFECTS:

**HEADACHE SOMNOLENCE INEBRIATION NARCOSIS** 

RESPIRATORY ARREST UNCONSCIOUSNESS

OTHER DANGEROUS PROPERTIES CAN NOT BE

EXCLUDED.

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL

HYGIENE AND SAFETY PRACTICE.

LUNGS - IRREGULARITIES - THIS INFORMATION IS

NOT AVAILABLE.

#### **SECTION 12. ECOLOGICAL INFORMATION**

TOXICITY TO FISH SEMI-STATIC TEST LC50 - ONCORHYNCHUS MYKISS

(RAINBOW TROUT) - > 100 MG/L - 96 H

(OECD TEST GUIDELINE 203)

TOXICITY TO DAPHNIA AND

SEMI-STATIC TEST EC50 - DAPHNIA MAGNA (WATER

OTHER AQUATIC **INVERTEBRATES** 

FLEA) - > 139 MG/L - 48 H(OECD TEST GUIDELINE 202)

TOXICITY TO ALGAE

STATIC TEST ERC50 - DESMODESMUS SUBSPICATUS

(GREEN ALGAE) - > 104 MG/L - 72 H

(OECD TEST GUIDELINE 201)

TOXICITY TO BACTERIA

STATIC TEST EC50 - ACTIVATED SLUDGE - > 1,000

MG/L - 3 H

(OECD TEST GUIDELINE 209)

PERSISTENCE AND DEGRADABILITY

BIODEGRADABILITY AEROBIC - EXPOSURE TIME 28 D

RESULT: 2 % - NOT READILY BIODEGRADABLE.

(OECD TEST GUIDELINE 301D)

**BIOACCUMULATIVE** 

**POTENTIAL** 

NO DATA AVAILABLE

MOBILITY IN SOIL NO DATA AVAILABLE

RESULTS OF PBT AND VPVB ASSESSMENT

PBT/VPVB ASSESSMENT NOT AVAILABLE AS

CHEMICAL SAFETY ASSESSMENT NOT

REQUIRED/NOT CONDUCTED

OTHER ADVERSE EFFECTS DISCHARGE INTO THE ENVIRONMENT MUST BE

AVOIDED.

#### SECTION 13. **DISPOSAL CONSIDERATIONS**

#### WASTE TREATMENT METHODS

**PRODUCT** WASTE MATERIAL MUST BE DISPOSED OF IN

> ACCORDANCE WITH THE NATIONAL AND LOCAL REGULATIONS. LEAVE CHEMICALS IN ORIGINAL CONTAINERS. NO MIXING WITH OTHER WASTE.

HANDLE UNCLEANED CONTAINERS LIKE THE PRODUCT

ITSELF. SEE WWW.RETROLOGISTIK.COM FOR

PROCESSES REGARDING THE RETURN OF CHEMICALS AND CONTAINERS, OR CONTACT US THERE IF YOU

HAVE FURTHER QUESTIONS.

#### SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: METHYLTETRAHYDROFURAN

UN NUMBER: 2536 CLASS: 3 PACKING GROUP: II

REPORTABLE QUANTITY

(RO):

POISON INHALATION NO

HAZARD:

**IMDG** 

PROPER SHIPPING NAME: METHYLTETRAHYDROFURAN

UN NUMBER: 2536
CLASS: 3
PACKING GROUP: II
EMS-NO: F-E, S-D

**IATA** 

PROPER SHIPPING NAME: METHYLTETRAHYDROFURAN

UN NUMBER: 2536 CLASS: 3 PACKING GROUP: II

# SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS THIS MATERIAL DOES NOT CONTAIN ANY

COMPONENTS WITH A SECTION 302 EHS TPQ.

SARA 313 COMPONENTS 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

**SARA 311/312 HAZARDS** FIRE HAZARD, ACUTE HEALTH HAZARD

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT.

# SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H225 HIGHLY FLAMMABLE LIQUID AND VAPOR.

H302 HARMFUL IF SWALLOWED. H315 CAUSES SKIN IRRITATION.

H318 CAUSES SERIOUS EYE DAMAGE.

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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