



## ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

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## MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

### 1,4,-DIOXANE Extra pure

SECTION 1: Identification of the substance/mixture

#### 1.1. Product identifier

Product form

Trade name : 1,4,-DIOXANE

EC Index-No. : 603-024-00-5

EC-No. : 204-661-8

CAS-No. : 123-91-1

Type of product : Heterocyclic organic compound

Formula : C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>

Chemical structure



Synonyms : Dioxane, Diethylene oxide, p-Dioxane, Diethylene ether

: Substance

:

1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec

Use of the substance/mixture

#### 1.2.2. Uses advised against

No additional information available

: Industrial

For professional use only

: Laboratory chemicals

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2

Serious eye damage/eye irritation, Category 2

Carcinogenicity, Category 2

Specific target organ toxicity – Single exposure, Category 3,

Respiratory tract irritation

Full text of H- and EUH-statements: see section 16

H225

H319

H351

H335

Adverse physicochemical, human health and environmental effects

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Highly flammable liquid and vapour. Suspected of causing cancer. May cause respiratory irritation.  
Causes serious eye irritation.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

Signal word (CLP)

Hazard statements (CLP)

:

GHS02

: Danger

GHS07

GHS08

: H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H351 - Suspected of causing cancer.

Precautionary statements (CLP)

EUH-statements

Nordic countries regulation

Denmark

MAL code

### 2.3. Other hazards

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective clothing, eye protection, face protection, protective gloves.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

: EUH019 - May form explosive peroxides.

EUH066 - Repeated exposure may cause skin dryness or cracking.

: 00-3 (Executive Order No. 301 from 1993)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component

Substance(s) not meeting the PBT criteria of REACH

regulation, in accordance with Annex XIII

Substance(s) not meeting the vPvB criteria of REACH

regulation, in accordance with Annex XIII

1,4,-DIOXANE (123-91-1)

1,4,-DIOXANE (123-91-1)

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The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type

Name

: Mono-constituent

Product identifier

1,4,-DIOXANE

substance listed as REACH Candidate (1,4-dioxane)

#### 3.2. Mixtures

CAS-No.: 123-91-1

EC-No.: 204-661-8

EC Index-No.: 603-024-00-5

%

99.5

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general

First-aid measures after inhalation

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

: Suspected of causing cancer. IF exposed or concerned: Get medical advice/attention.

: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.

: Rinse skin with water/shower. Take off immediately all contaminated clothing. Repeated exposure may cause skin dryness or cracking.

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

: Rinse mouth out with water. If you feel unwell, seek medical advice. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation

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Symptoms/effects after skin contact

Symptoms/effects after eye contact

Symptoms/effects after ingestion

: May cause respiratory irritation.

: Repeated exposure may cause skin dryness or cracking.

: Causes serious eye irritation. Eye irritation.

: None under normal conditions.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>). Water spray. Dry powder. Foam. Carbon dioxide.

: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard

Explosion hazard

Hazardous decomposition products in case of fire

5.3. Advice for firefighters

: Highly flammable liquid and vapour.

: May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form explosive peroxides.

: Toxic fumes may be released.

Firefighting instructions

Protection during firefighting

: DO NOT fight fire when fire reaches explosives. Evacuate area. Do not enter fire area without proper protective equipment, including respiratory protection.

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

6.1.1. For non-emergency personnel

Protective equipment

Emergency procedures

: Remove ignition sources. Use special care to avoid static electric charges. No open flames.

No smoking. Stop leak if safe to do so. Notify authorities if product enters sewers or public

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waters. Absorb spillage to prevent material damage.

: Wear recommended personal protective equipment.

: Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment

Emergency procedures

6.2. Environmental precautions

: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

: Stop release. Evacuate unnecessary personnel. Stop leak if safe to do so.

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment

Methods for cleaning up

Other information

6.4. Reference to other sections

: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

: Take up liquid spill into absorbent material. Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Notify authorities if product enters sewers or public waters.

: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed

Precautions for safe handling

Hygiene measures

: Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential risk of explosion.

: No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.

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: Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Storage conditions

Incompatible products

Incompatible materials

Packaging materials

7.3. Specific end use(s)

: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

: Keep in fireproof place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

: Oxidizing agent.

: Heat sources.

: Store always product in container of same material as original container.

No additional information available

### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses



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### 8.2.2.2. Skin protection

Skin and body protection:

Wear a mask

Hand protection:

Protective gloves

### 8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state

Colour

Appearance

Molecular mass

Odour

Odour threshold

Melting point

Freezing point

Boiling point

Flammability

: Liquid

: Colourless.

: Clear liquid.

: 88.11 g/mol

: faint ether-like odor.

: Not available

: Not applicable

: 10 – 12 °C

: 100 – 102 °C

: Flammable

Highly flammable liquid and vapour.

Explosive properties : May form explosive peroxides.

Lower explosion limit : 2 vol %

Upper explosion limit : 22 vol %

Flash point : 12 °C

Auto-ignition temperature : 180 °C

UPLC  
Ultra Pure-Lab Chem Industries



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Decomposition temperature : Not available

pH : 6 – 8 at 20 °C

pH solution concentration : 50 %

Viscosity, kinematic : 1.282 mm<sup>2</sup>/s

Viscosity, dynamic : 1.32 mPa·s at 20 °C

Solubility : Water: > 800 g/l at 25 °C - Miscible

Partition coefficient n-octanol/water (Log Kow) : Not available

Partition coefficient n-octanol/water (Log Pow) : -0.27

Vapour pressure : 36 hPa at 20 °C

Vapour pressure at 50°C : Not available

Density : 1.03 g/cm<sup>3</sup> at 20 °C

Relative density : Not available

Relative vapour density at 20°C : 3.04 (Air = 1)

Particle characteristics : Not applicable



### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : 2.7

Refractive index : 1.421 – 1.423 (20 °C, 589 nm)

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Highly flammable liquid and vapour.

#### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture. May form explosive peroxides.

#### 10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and acids.

#### 10.4. Conditions to avoid

Open flame. Direct sunlight. Heat. Sparks. Overheating. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

May release flammable gases. May form explosive peroxides.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

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Skin corrosion/irritation : Not classified

pH: 6 – 8 at 20 °C

Additional information : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation : Causes serious eye irritation.

pH: 6 – 8 at 20 °C

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.



Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

1,4,-DIOXANE AR (123-91-1)

Viscosity, kinematic 1.282 mm<sup>2</sup>/s

11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute)

: Not classified

Hazardous to the aquatic environment, long-term (chronic)

: Not classified

#### 12.2. Persistence and degradability

1,4,-DIOXANE AR (123-91-1)

Persistence and degradability Rapidly degradable

#### 12.3. Bioaccumulative potential

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No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII

1,4,-DIOXANE (123-91-1)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII

1,4,-DIOXANE (123-91-1)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation

Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations

Additional information

SECTION 14: Transport information

: Disposal must be done according to official regulations.

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

: Disposal must be done according to official regulations.

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations.

: Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential risk of explosion. Flammable vapours may accumulate in the container. Do not re-use empty containers.

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR)

UN-No. (IMDG)

UN-No. (IATA)

UN-No. (ADN)

UN-No. (RID)

14.2. UN proper shipping name

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: UN 1165  
: UN 1165  
: UN 1165  
: UN 1165  
: UN 1165

Proper Shipping Name (ADR)  
Proper Shipping Name (IMDG)  
Proper Shipping Name (IATA)  
Proper Shipping Name (ADN)  
Proper Shipping Name (RID)  
Transport document description (ADR)  
Transport document description (IMDG)  
Transport document description (IATA)  
Transport document description (ADN)  
Transport document description (RID)

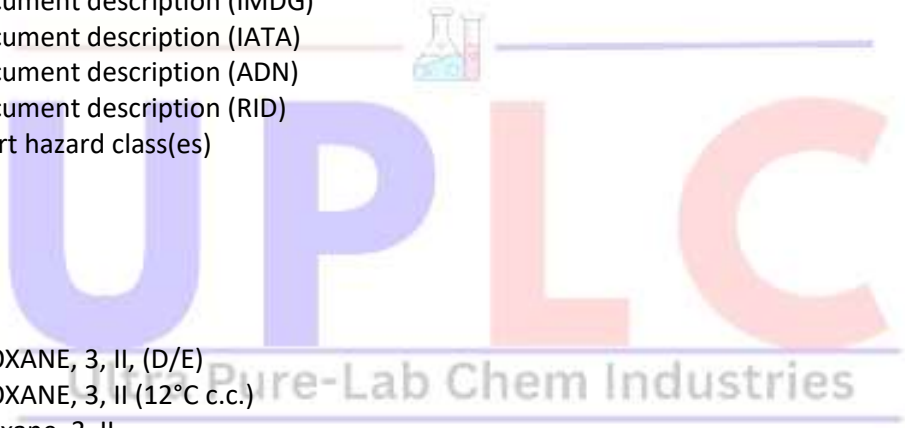
14.3. Transport hazard class(es)

: DIOXANE  
: DIOXANE  
: Dioxane  
: DIOXANE  
: DIOXANE

: UN 1165 DIOXANE, 3, II, (D/E)  
: UN 1165 DIOXANE, 3, II (12°C c.c.)  
: UN 1165 Dioxane, 3, II  
: UN 1165 DIOXANE, 3, II  
: UN 1165 DIOXANE, 3, II

ADR  
Transport hazard class(es) (ADR)  
Danger labels (ADR)  
IMDG  
Transport hazard class(es) (IMDG)  
Danger labels (IMDG)  
IATA  
Transport hazard class(es) (IATA)  
Danger labels (IATA)

: 3  
: 3  
:  
: 3  
: 3  
:  
: 3





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: 3

:

ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3

:

RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3

:

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions

(ADR)

: TP1

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :

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Tunnel restriction code (ADR) : D/E

EAC code : •2YE

Transport by sea

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

Stowage category (IMDG) : B

Flash point (IMDG) : 12°C c.c.

Properties and observations (IMDG) : Colourless liquid with an ether-like odour. Flashpoint: 12°C c.c.

Explosive limits: 2% to 22%.

Miscible with water. Harmful by inhalation.

MFAG-No : 127

Air transport

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y341

PCA limited quantity max net quantity (IATA) : 1L

PCA packing instructions (IATA) : 353

PCA max net quantity (IATA) : 5L

CAO packing instructions (IATA) : 364

CAO max net quantity (IATA) : 60L

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : F1

Limited quantities (RID) : 1L

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Excepted quantities (RID) : E2  
Packing instructions (RID) : P001, IBC02, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE7  
Hazard identification number (RID) : 33  
14.7. Maritime transport in bulk according to IMO instruments  
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code Applicable on

3(a) 1,4,-DIOXANE AR

3(b) 1,4,-DIOXANE AR

40. 1,4,-DIOXANE AR

1,4,-DIOXANE AR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Listed on the REACH Candidate List: 1,4-dioxane

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

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Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

France

Occupational diseases

Code

Description

RG 84

Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid

hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons;

alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters;

dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine;

dimethylsulfone and

dimethylsulfoxide

Germany

Water hazard class (WGK)

Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

: WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 86).

:

Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

: 1,4,-DIOXANE is listed

: The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

: The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling

Denmark

MAL code

Class for fire hazard

Store unit

Classification remarks

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Danish National Regulations

15.2. Chemical safety assessment

: The substance is not listed

: 00-3 (Executive Order No. 301 from 1993)

: Class I-1

: 1 liter

: F <Flam. Liq. 2>; Emergency management guidelines for the storage of flammable liquids must be followed

: Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE Acute Toxicity Estimate

BCF Bioconcentration factor

BLV Biological limit value

BOD Biochemical oxygen demand (BOD)

COD Chemical oxygen demand (COD)

DMEL Derived Minimal Effect level

DNEL Derived-No Effect Level

EC-No. European Community number

EC50 Median effective concentration

EN European Standard

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LC50 Median lethal concentration

LD50 Median lethal dose

LOAEL Lowest Observed Adverse Effect Level

NOAEC No-Observed Adverse Effect Concentration

NOAEL No-Observed Adverse Effect Level

NOEC No-Observed Effect Concentration

OECD Organisation for Economic Co-operation and Development

OEL Occupational Exposure Limit

PBT Persistent Bioaccumulative Toxic

PNEC Predicted No-Effect Concentration

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

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SDS Safety Data Sheet  
STP Sewage treatment plant  
ThOD Theoretical oxygen demand (ThOD)  
TLM Median Tolerance Limit  
VOC Volatile Organic Compounds  
CAS-No. Chemical Abstract Service number  
N.O.S. Not Otherwise Specified  
vPvB Very Persistent and Very Bioaccumulative  
ED Endocrine disrupting properties

Full text of H- and EUH-statements:

Carc. 2 Carcinogenicity, Category 2

1,4,-DIOXANE AR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:

EUH019

EUH066

Eye Irrit. 2

Flam. Liq. 2

H225

H319

H335

May form explosive peroxides.

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation, Category 2

Flammable liquids, Category 2

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause respiratory irritation.

H351

STOT SE 3

Suspected of causing cancer.

Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.