

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 3-11-2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| Product name : Product code : | Article Kitchen Scales button cell CR2032 KASC620BK KASC620WT SP-188 Lithium cells and batteries are not subject to provision of ADR because lithium |
|----------------------------------|---|
| | metal is less than 2 gram. |

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

1.2.1. Relevant identified uses

| Intended for general public | |
|------------------------------|---|
| Main use category | : Consumer use |
| Use of the substance/mixture | : Electrical batteries and accumulators |

1.2.2. Uses advised against

Restrictions on use

: Do not open batteries

1.3. Details of the supplier of the safety data sheet

Nedis B.V. De Tweeling 28 5215MC 's Hertogenbosch – The Netherlands T +31 735991055 www.nedis.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] H302 Acute toxicity (oral), Category 4 Full text of H- and EUH-statements: see section 16 Adverse physicochemical, human health and environmental effects Harmful if swallowed. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Signal word (CLP) : -Contains : manganese dioxide, lithium, 1,2-Dimethoxyethane, Lithium perchlorate Hazard statements (CLP) : H302 - Harmful if swallowed.

: P102 - Keep out of reach of children.

P270 - Do not eat, drink or smoke when using this product.

2.3. Other hazards

Precautionary statements (CLP)

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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| 3.2. Mixtures | | | |
|---|---|----------|--|
| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| Iron | CAS-No.: 7439-89-6 EC-No.: 231-096-4 | 48 | Not classified |
| manganese dioxide | CAS-No.: 1313-13-9 EC-No.: 215-202-6 EC Index-No.: 025-001-00-3 | 34,8 | Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 |
| Lithium perchlorate | CAS-No.: 7791-03-9 EC-No.: 232-237-2 | 3,99 | Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 |
| polypropylene | CAS-No.: 9003-07-0 | 3,43 | Not classified |
| propylene carbonate | CAS-No.: 108-32-7 EC-No.: 203-572-1 EC Index-No.: 607-194-00-1 | 3 | Eye Irrit. 2, H319 |
| lithium | CAS-No.: 7439-93-2 EC-No.: 231-102-5 EC Index-No.: 003-001-00-4 | 1,9 | Water-react. 1, H260 Skin Corr. 1B, H314 |
| Graphite | CAS-No.: 7782-42-5 | 1,7 | Not classified |
| Polytetrafluoroethylene | CAS-No.: 9002-84-0 EC-No.: 618-337-2 | 1,7 | Not classified |
| 1,2-Dimethoxyethane substance listed as REACH Candidate (1,2- dimethoxyethane; ethylene glycol dimethyl ether (EGDME)) | CAS-No.: 110-71-4 EC-No.: 203-794-9 EC Index-No.: 603-031-00-3 | 1,48 | Flam. Liq. 2, H225 Repr. 1B, H360FD Acute Tox. 4 (Inhalation), H332 |
| cadmium (non-pyrophoric) substance listed as REACH Candidate (Cadmium) | CAS-No.: 7440-43-9 EC-No.: 231-152-8 EC Index-No.: 048-002-00-0 | < 0,001 | Acute Tox. 2 (Inhalation), H330 Muta. 2, H341 Carc. 1B, H350 Repr. 2, H361fd STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Lead substance listed as REACH Candidate | CAS-No.: 7439-92-1 EC-No.: 231-100-4 EC Index-No.: 082-013-00-1 | < 0,001 | Repr. 1A, H360FD Lact., H362 |
| mercury | CAS-No.: 7439-97-6 EC-No.: 231-106-7 EC Index-No.: 080-001-00-0 | < 0,0001 | Repr. 1B, H360D Acute Tox. 2 (Inhalation), H330 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

| Specific concentration limits: | | |
|--------------------------------|---|----------------------------------|
| Name | Product identifier | Specific concentration limits |
| Lead | CAS-No.: 7439-92-1 EC-No.: 231-100-4 EC Index-No.: 082-013-00-1 | (0,03 ≤C ≤ 100) Repr. 1A, H360D |

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

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| SECTION 4: First aid measures | | |
|---|---|--|
| 4.1. Description of first aid measures | | |
| First-aid measures general First-aid measures after inhalation | Call a poison center or a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. | |
| First-aid measures after skin contact First-aid measures after eye contact | Wash skin with plenty of water.Rinse eyes with water as a precaution. | |
| 4.2. Most important symptoms and effects, both acute and delayed | | |
| No additional information available | | |
| 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 | : Dry powder. Foam. | |

| 5.2. Special nazards arising from the substance or mixture | | |
|--|--|--|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. | |
| 5.3. Advice for firefighters | | |
| Protection during firefighting | : 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 equi | pment and emergency procedures | |
| 6.1.1. For non-emergency personnel | | |
| Emergency procedures | : Ventilate spillage area. | |
| 6.1.2. For emergency responders | | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". | |
| 6.2. Environmental precautions | | |

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

| 6.3. Methods and material for containment and cleaning up | |
|---|---|
| Methods for cleaning up Other information | Mechanically recover the product.Dispose of materials or solid residues at an authorized site. |
| 6.4. Reference to other sections | |

For further information refer to section 13.

| SECTION 7: Handling and storage | |
|------------------------------------|--|
| 7.1. Precautions for safe handling | |
| Ū | Ensure good ventilation of the work station. Do not allow contact with water. Do not eat, drink or smoke when using this product. |

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| 7.2. Conditions for safe storage, including any incompatibilities | | |
|---|--|--|
| Storage conditions | : Store in a closed container. Keep container tightly closed. Store locked up. Protect from moisture. Store in a dry place. Store in a well-ventilated place. Keep cool. | |
| Storage temperature | : <70 °C | |

7.3. Specific end use(s)

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

8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

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 | : Solid |
| Colour | : No data available |
| Odour | : No data available |
| Odour threshold | : No data available |
| рН | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |

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| Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapour pressure Relative vapour density at 20 °C Relative density Solubility | Not applicable No data available Not applicable Not applicable No data available In contact with water releases flammable gases which may ignite spontaneously. No data available |
|--|--|
| | : In contact with water releases flammable cases which may ignite spontaneously. |
| | |
| | : No data available |
| | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : Not applicable |
| | |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. In contact with water releases flammable gases which may ignite spontaneously.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Water, humidity. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

| SECTION 11: Toxicological information | | |
|---|---|--|
| 11.1 Information on toxicological effects | | |
| Acute toxicity (dermal) | Harmful if swallowed. Not classified Not classified | |
| Kitchen Scales button cell CR2032 | | |
| ATE CLP (oral) | 1288,992 mg/kg bodyweight | |
| Lead (7439-92-1) | | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) | |

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| Lead (7439-92-1) | | |
|--------------------------------------|--|--|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) | |
| LC50 Inhalation - Rat | > 5,05 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) | |
| Skin corrosion/irritation | : Not classified | |
| Serious eye damage/irritation | : Not classified | |
| Respiratory or skin sensitisation | : Not classified | |
| Germ cell mutagenicity | : Not classified | |
| Carcinogenicity | : Not classified | |
| Reproductive toxicity | : Not classified | |
| STOT-single exposure | : Not classified | |
| STOT-repeated exposure | : Not classified | |
| mercury (7439-97-6) | | |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. | |
| cadmium (non-pyrophoric) (7440-43-9) | | |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. | |
| Aspiration hazard | : Not classified | |
| Kitchen Scales button cell CR2032 | | |
| Viscosity, kinematic | Not applicable | |

| SECTION 12: Ecological information | |
|--|---|
| 12.1. Toxicity | |
| (acute) | Before neutralisation, the product may represent a danger to aquatic organisms. Not classified |
| Hazardous to the aquatic environment, long–term (chronic) Not rapidly degradable | : Not classified |
| Lead (7439-92-1) | |
| LC50 - Fish [1] | 1170 μg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| LC50 - Fish [2] | 107 μg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| 12.2. Persistence and degradability | |
| No additional information available | |
| 12.3. Bioaccumulative potential | |

No additional information available

12.4. Mobility in soil

No additional information available

| 12.5. Results of PBT and vPvB assessment | |
|--|---|
| Component | |
| 1,2-Dimethoxyethane (110-71-4) | 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 |

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| Component | |
|--------------------------------------|---|
| cadmium (non-pyrophoric) (7440-43-9) | 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 |
| Lead (7439-92-1) | 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 |

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

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

SECTION 14: Transport information

| | IMDG | ΙΑΤΑ | ADN | RID |
|---|---|--|--|--|
| 14.1. UN number | 1 | | I | 1 |
| UN 3091 | UN 3091 | UN 3091 | UN 3091 | UN 3091 |
| 14.2. UN proper shipping | g name | | , | |
| LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT | LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT | Lithium metal batteries contained in equipment | LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT | LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT |
| Transport document descr | iption | | 1 | 1 |
| UN 3091 LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT, 9A, (E) | UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, 9 | UN 3091 Lithium metal batteries contained in equipment, 9A | UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, 9A | UN 3091 LITHIUM METAI BATTERIES CONTAINEE IN EQUIPMENT, 9A |
| 14.3. Transport hazard c | class(es) | | , | |
| 9A | 9 | 9A | 9A | 9A |
| | | | | |
| 14.4. Packing group | | | | 1 |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental haz | ards | | 1 | - |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary informatio | n available | | 1 | |
| 14.6. Special precautions | s for user | | | |
| Overland transport | | | | |
| Classification code (ADR) Special provisions (ADR) | : M4 : 188 | , 230, 310, 360, 376, 377, 38 | 37, 390, 670 | |

: 0

Limited quantities (ADR)

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| Excepted quantities (ADR) | : E0 |
|--|---|
| Packing instructions (ADR) | : P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906 |
| Transport category (ADR) | : 2 |
| Tunnel restriction code (ADR) | : E |
| EAC code | : 4Y |
| | |
| Transport by sea | |
| Special provisions (IMDG) | : 188, 230, 310, 360, 376, 377, 384, 387 |
| Limited quantities (IMDG) | : 0 |
| Excepted quantities (IMDG) | : E0 |
| Packing instructions (IMDG) | : P903, P908, P909 , P910, P911, LP903, LP904, LP905, LP906 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-I |
| Stowage category (IMDG) | : A |
| Stowage and handling (IMDG) | : SW19 |
| Properties and observations (IMDG) | : Electrical batteries containing lithium encased in a rigid metallic body. Lithium batteries may |
| | also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire |
| | due to an explosive rupture of the body caused by improper construction or reaction with |
| | contaminants. |
| | contaminants. |
| Air transport | |
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA) | : 970 |
| PCA max net quantity (IATA) | : 5kg |
| | : 970 |
| CAO packing instructions (IATA) | |
| CAO max net quantity (IATA) | : 35kg |
| Special provisions (IATA) | : A48, A88, A99, A154, A164, A181, A185, A206, A213, A220 |
| ERG code (IATA) | : 12FZ |
| Inland waterway transport | |
| Classification code (ADN) | : M4 |
| Special provisions (ADN) | : 188, 230, 310, 360, 376, 377, 387, 390, 670 |
| Limited quantities (ADN) | : 0 |
| Excepted quantities (ADN) | : E0 |
| Equipment required (ADN) | : PP |
| | |
| Number of blue cones/lights (ADN) | : 0 |
| Rail transport | |
| Classification code (RID) | : M4 |
| Special provisions (RID) | : 188, 230, 310, 360, <u>376, 377, 387, 390, 670</u> |
| Limited quantities (RID) | : 0 |
| Excepted quantities (RID) | : E0 |
| | . EV : P903, 908, 909, P910, P911, LP903, LP904, LP905, LP906 |
| Packing instructions (RID) | |
| Transport category (RID) | : 2 |
| Colis express (express parcels) (RID) | : CE2 |
| Hazard identification number (RID) | : 90 |
| | |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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)

Not applicable.

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REACH Annex XIV (Authorisation List)

Not applicable.

REACH Candidate List (SVHC)

Contains one substance (s) from the list of candidate substances of REACH: 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (EC 203-794-9, CAS 110-71-4), Cadmium (EC 231-152-8, CAS 7440-43-9), Lead (EC 231-100-4, CAS 7439-92-1)

PIC Regulation (Prior Informed Consent)

Substances subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals: mercury (7439-97-6), cadmium (non-pyrophoric) (7440-43-9)

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

15.1.2. National regulations

France

| Occupational diseases | | |
|-----------------------|---|--|
| Code | Description | |
| RG 1 | Conditions caused by lead and its compounds | |
| RG 2 | Occupational diseases caused by mercury and its compounds | |
| RG 25 | Diseases resulting from the inhalation of mineral dust containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite or coal. | |
| RG 39 | Occupational diseases caused by manganese dioxide | |
| RG 61 | Occupational diseases caused by cadmium and its compounds | |
| RG 61 BIS | Bronchopulmonary cancer caused by the inhalation of dusts or fumes containing cadmium | |
| RG 66 | Occupational rhinitis and asthma | |

Germany

Employment restrictions

Water hazard class (WGK)

Joint storage table

Storage class (LGK, TRGS 510)

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

: LGK 11 - Combustible solids

| LGK 1 | LGK 2A | LGK 2B | LGK 3 | LGK 4.1A |
|----------|---------|----------|----------|-----------|
| LGK 4.1B | LGK 4.2 | LGK 4.3 | LGK 5.1A | LGK 5.1B |
| LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C |
| LGK 6.1D | LGK 6.2 | LGK 7 | LGK 8A | LGK 8B |
| LGK 10 | LGK 11 | LGK 12 | LGK 13 | LGK 10-13 |

Joint storage not permitted for Joint storage with restrictions permitted for

Joint storage permitted for

: LGK 1, LGK 5.1A, LGK 6.2, LGK 7.

: LGK 2A, LGK 3, LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1B, LGK 5.1C, LGK 5.2, LGK 6.1A, LGK 6.1B.

: LGK 2B, LGK 4.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

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| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV) |
|--|--|
| Netherlands | |
| ABM category | : Z(1) - non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/bioacumulative potential/ toxicity or persistence) |
| SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen – Borstvoeding SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | Lithium perchlorate,cadmium (non-pyrophoric) are listed Lithium perchlorate is listed cadmium (non-pyrophoric),Lead are listed 1,2-Dimethoxyethane,cadmium (non-pyrophoric),Lead are listed |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : 1,2-Dimethoxyethane,mercury,cadmium (non-pyrophoric),Lead are listed |
| Switzerland | |
| Storage class (LK) | : LK 11/13 - Solids |
| 15.2. Chemical safety assessment | |

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 | | |
| ΙΑΤΑ | 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 | | |
| РВТ | Persistent Bioaccumulative Toxic | | |
| PNEC | Predicted No-Effect Concentration | | |

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| Abbreviations and acronyms: | | |
|-----------------------------|--|--|
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail | |
| 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: | |
|-------------------------------------|--|
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Carc. 1B | Carcinogenicity, Category 1B |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H260 | In contact with water releases flammable gases which may ignite spontaneously. |
| H271 | May cause fire or explosion; strong oxidiser. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H360D | May damage the unborn child. |
| H360FD | May damage fertility. May damage the unborn child. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H362 | May cause harm to breast-fed children. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| Lact. | Reproductive toxicity, Additional category, Effects on or via lactation |
| Muta. 2 | Germ cell mutagenicity, Category 2 |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Ox. Liq. 1 | Oxidising Liquids, Category 1 |
| Repr. 1A | Reproductive toxicity, Category 1A |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| Water-react. 1 | Substances and Mixtures which, in contact with water, emit flammable gases, Category 1 |

The classification complies with

: ATP 12

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.