



SAFETY DATA SHEET

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

1.1. Product identifier

| | |
|--|-------------------|
| Trade name or designation of the mixture | BRAKLEEN PRO |
| Synonyms | None. |
| Product code | BDS001945BU |
| Issue date | 15-September-2020 |
| Version number | 01 |

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

| | |
|----------------------|-----------------------|
| Identified uses | Cleaners - Heavy duty |
| Uses advised against | None known. |

1.3. Details of the supplier of the safety data sheet

| | |
|--------------|--|
| Company name | CRC Industries Europe bvba |
| Address | Touwslagerstraat 1 9240 Zele Belgium |
| Telephone | +32(0)52/45.60.11 |
| Fax | +32(0)52/45.00.34 |
| E-mail | hse@crcind.com |
| Website | www.crcind.com |

1.4. Emergency telephone number

Tel.: +32(0)52/45.60.11 (office hours)

| | |
|---|---|
| General in EU | 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Austria National Poisons Information Centre | +431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Belgium National Poisons Control Center | 070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Bulgaria National Toxicological Information Center | +359 2 9154233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Czech Republic National Poisons Information Centre | +420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.) |
| Denmark National Poisons Control Center | +45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Estonia National Poisons Information Centre | 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.) |
| Finland National Poison Information Center | (09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| France National Poisons Control Center | ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Hungary National Emergency Phone Number | 36 80 20 11 99 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Lithuania Neatidėliotina informacija apsinuodijus | +370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.) |
| Malta Accident and Emergency Department | 2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.) |

| | |
|---|--|
| Netherlands National Poisons Information Center (NVIC) | 030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications) |
| Norway Norwegian Poison Information Center | 22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Romania Biroul RSI si Informare Toxicologica | 021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.) |
| Slovakia National Toxicological Information Center | +421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| Sweden National Poison Information Center | 112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

| | | |
|-------------------|------------|--|
| Flammable liquids | Category 2 | H225 - Highly flammable liquid and vapour. |
|-------------------|------------|--|

Health hazards

| | | |
|--|-----------------------------|--|
| Skin corrosion/irritation | Category 2 | H315 - Causes skin irritation. |
| Serious eye damage/eye irritation | Category 2 | H319 - Causes serious eye irritation. |
| Specific target organ toxicity - single exposure | Category 3 narcotic effects | H336 - May cause drowsiness or dizziness. |
| Aspiration hazard | Category 1 | H304 - May be fatal if swallowed and enters airways. |

Environmental hazards

| | | |
|--|------------|---|
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 2 | H411 - Toxic to aquatic life with long lasting effects. |
|--|------------|---|

Hazard summary

May be ignited by heat, sparks or flames. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes serious eye irritation. Causes skin irritation. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: acetone; propan-2-one; propanone, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic, Propan-2-ol; Isopropyl alcohol; Isopropanol

Hazard pictograms



Signal word

Danger

Hazard statements

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

Prevention

| | |
|------|--|
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/eye protection/face protection. |

Response

P301 + P310
P331

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
Do NOT induce vomiting.

Storage

P405

Store locked up.

Disposal

P501

Dispose of contents/container (in accordance with related regulations).

Supplemental label information

Regulation (EC) No 648/2004 on detergents: aliphatic hydrocarbons > 30 %

Perfumes

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|--|---------|----------------------|------------------------|--------------|-------|
| Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane | 25 - 50 | EC921-024-6 - | 01-2119475514-35 | - | |
| Classification: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411 | | | | | |
| Hydrocarbons, C7, n-alkanes,isoalkanes, cyclic | 25 - 50 | EC927-510-4 - | 01-2119475515-33 | - | |
| Classification: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411 | | | | | |
| acetone; propan-2-one; propanone | 5 - 10 | 67-64-1 200-662-2 | 01-2119471330-49-xxxx | 606-001-00-8 | # |
| Classification: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 | | | | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol | 5 - 10 | 67-63-0 200-661-7 | 01-2119457558-25 | 603-117-00-0 | |
| Classification: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 | | | | | |

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

Highly flammable liquid and vapour.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria

Components

Type

Value

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

TWA (MAK)

200 ppm

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

| Components | Type | Value |
|---|------|------------------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | MAK | 1200 mg/m ³ |
| | | 500 ppm |
| | STEL | 4800 mg/m ³ 2000 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | MAK | 500 mg/m ³ |
| | | 200 ppm |
| | STEL | 2000 mg/m ³ 800 ppm |

Belgium. Exposure Limit Values

| Components | Type | Value |
|---|------|-----------------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 2420 mg/m ³ |
| | | 1000 ppm |
| | TWA | 1210 mg/m ³ 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1000 mg/m ³ |
| | | 400 ppm |
| | TWA | 500 mg/m ³ 200 ppm |

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 1400 mg/m ³ |
| | | |
| | TWA | 600 mg/m ³ |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1225 mg/m ³ |
| | | |
| | TWA | 980 mg/m ³ |

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | MAC | 1210 mg/m ³ |
| | | 500 ppm |
| | MAC | 999 mg/m ³ |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | 400 ppm |
| | STEL | 1250 mg/m ³ |
| | | 500 ppm |

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

| Components | Type | Value |
|---|------|-----------------------|
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TWA | 980 mg/m ³ |
| | | 400 ppm |

Czech Republic. OELs. Government Decree 361

| Components | Type | Value |
|---|---------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | Ceiling | 1500 mg/m3 |
| | TWA | 800 mg/m3 |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | Ceiling | 1000 mg/m3 |
| | TWA | 500 mg/m3 |

Denmark. Exposure Limit Values

| Components | Type | Value |
|---|------|-----------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TLV | 600 mg/m3 |
| | | 250 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TLV | 490 mg/m3 |
| | | 200 ppm |

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m3 |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 600 mg/m3 |
| | | 250 ppm |
| | TWA | 350 mg/m3 |
| | | 150 ppm |

Finland. Workplace Exposure Limits

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 1500 mg/m3 |
| | | 630 ppm |
| | TWA | 1200 mg/m3 |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | 500 ppm |
| | STEL | 620 mg/m3 |
| | | 250 ppm |
| | TWA | 500 mg/m3 |
| | | 200 ppm |

France

| Components | Type | Value |
|---|------|------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic s, < 5% n-hexane | STEL | 1500 mg/m3 |
| | TWA | 1000 mg/m3 |

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

| Components | Type | Value |
|---|--|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | VLE | 2420 mg/m3 |
| | Regulatory status: Regulatory binding (VRC) | 1000 ppm |
| | Regulatory status: Regulatory binding (VRC) | |

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

| Components | Type | Value |
|---|--------------------------|------------|
| | VME | 1210 mg/m3 |
| Regulatory status: | Regulatory binding (VRC) | |
| | | 500 ppm |
| Regulatory status: | Regulatory binding (VRC) | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | VLE | 980 mg/m3 |
| Regulatory status: | Indicative limit (VL) | |
| | | 400 ppm |
| Regulatory status: | Indicative limit (VL) | |

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1200 mg/m3 |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TWA | 500 mg/m3 |
| | | 200 ppm |

Germany - TRGS 900

| Components | Type | Value |
|---|------|------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic s, < 5% n-hexane | TWA | 700 mg/m3 |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic | TWA | 1500 mg/m3 |

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | AGW | 1200 mg/m3 |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | AGW | 500 mg/m3 |
| | | 200 ppm |

Greece. OELs (Decree No. 90/1999, as amended)

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 3560 mg/m3 |
| | TWA | 1780 mg/m3 |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1225 mg/m3 |
| | | 500 ppm |
| | TWA | 980 mg/m3 |
| | | 400 ppm |

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m3 |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 2000 mg/m3 |
| | TWA | 500 mg/m3 |

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

| Components | Type | Value |
|---|------|-----------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 600 mg/m ³ |
| | | 250 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TWA | 490 mg/m ³ |
| | | 200 ppm |

Ireland. Occupational Exposure Limits

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 400 ppm |
| | TWA | 200 ppm |

Italy. Occupational Exposure Limits

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 400 ppm |
| | TWA | 200 ppm |

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 600 mg/m ³ |
| | TWA | 350 mg/m ³ |

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 2420 mg/m ³ |
| | | 1000 ppm |
| | | 1210 mg/m ³ |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TWA | 500 ppm |
| | | 600 mg/m ³ |
| | | 250 ppm |
| | | 350 mg/m ³ |
| | TWA | 150 ppm |

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m3 |
| | | 500 ppm |

Netherlands. OELs (binding)

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 2420 mg/m3 |
| | TWA | 1210 mg/m3 |

Norway. Administrative Norms for Contaminants in the Workplace

| Components | Type | Value |
|---|------|-----------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TLV | 295 mg/m3 |
| | | 125 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TLV | 245 mg/m3 |
| | | 100 ppm |

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 1800 mg/m3 |
| | TWA | 600 mg/m3 |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1200 mg/m3 |
| | TWA | 900 mg/m3 |

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

| Components | Type | Value |
|---|------|------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m3 |
| | | 500 ppm |

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

| Components | Type | Value |
|---|------|---------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 750 ppm |
| | TWA | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 400 ppm |
| | TWA | 200 ppm |

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

| Components | Type | Value |
|---|------|---------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m3 |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 500 mg/m3 |
| | | 203 ppm |
| | TWA | 200 mg/m3 81 ppm |

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

| Components | Type | Value |
|---|------|----------------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1000 mg/m ³ |
| | | 400 ppm |
| | TWA | 500 mg/m ³ 200 ppm |

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

| Components | Type | Value |
|---|------|------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | TWA | 500 mg/m ³ |
| | | 200 ppm |
| | | |

Spain. Occupational Exposure Limits

| Components | Type | Value |
|---|------|----------------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1000 mg/m ³ |
| | | 400 ppm |
| | TWA | 500 mg/m ³ 200 ppm |

Sweden

| Components | Type | Value |
|---|------------|---------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic s, < 5% n-hexane | STEL (STV) | 300 ppm |
| | TWA | 200 ppm |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic | STEL (STV) | 300 ppm |
| | TWA | 200 ppm |

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

| Components | Type | Value |
|---|------|----------------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 1200 mg/m ³ |
| | | 500 ppm |
| | TWA | 600 mg/m ³ 250 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 600 mg/m ³ |
| | | 250 ppm |
| | TWA | 350 mg/m ³ 150 ppm |

| Switzerland Components | Type | Value |
|--|------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic s, < 5% n-hexane | TWA | 500 ppm |
| Switzerland. SUVA Grenzwerte am Arbeitsplatz | | |
| Components | Type | Value |
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 2400 mg/m ³ |
| | TWA | 1000 ppm 1200 mg/m ³ 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1000 mg/m ³ |
| | TWA | 400 ppm 500 mg/m ³ 200 ppm |
| UK. EH40 Workplace Exposure Limits (WELs) | | |
| Components | Type | Value |
| acetone; propan-2-one; propanone (CAS 67-64-1) | STEL | 3620 mg/m ³ |
| | TWA | 1500 ppm 1210 mg/m ³ 500 ppm |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1250 mg/m ³ |
| | TWA | 500 ppm 999 mg/m ³ 400 ppm |
| EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU | | |
| Components | Type | Value |
| acetone; propan-2-one; propanone (CAS 67-64-1) | TWA | 1210 mg/m ³ |
| | | 500 ppm |

Biological limit values

Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)

| Components | Value | Determinant | Specimen | Sampling Time |
|---|-------------|-------------|------------------------|---------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | 20 mg/g | Acetone | Creatinine in urine | * |
| | 20 mg/l | Acetone | Blood | * |
| | 0,34 mmol/l | Acetone | Blood | * |
| | 39 mmol/mol | Acetone | Creatinine in urine | * |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | 50 mg/l | Acetone | Blood | * |
| | 50 mg/l | Acetone | Urine | * |
| | 0,86 umol/l | Acetone | Urine | * |
| | 0,86 umol/l | Acetone | Blood | * |

* - For sampling details, please see the source document.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

| Components | Value | Determinant | Specimen | Sampling Time |
|---|----------|-------------|----------|---------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | 100 mg/l | Acétone | Urine | * |

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---------|-------------|----------|---------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | 80 mg/l | ACETON | Urine | * |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | 25 mg/l | ACETON | Urine | * |
| | 25 mg/l | ACETON | Blood | * |

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

| Components | Value | Determinant | Specimen | Sampling Time |
|--|------------|-------------|---------------------|---------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | 53,36 mg/g | Acetone | Creatinine in urine | * |
| | 80 mg/l | Acetone | Urine | * |

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---------|-------------|----------|---------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | 50 mg/l | Acetona | Urine | * |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | 40 mg/l | Acetona | Urine | * |

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---------|-------------|----------|---------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | 80 mg/l | ACETON | Urine | * |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | 25 mg/l | ACETON | Urine | * |
| | 25 mg/l | ACETON | Blood | * |

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)**General Population**

| Components | Value | Assessment factor | Notes |
|--|-----------------------|-------------------|------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS EC921-024-6) | | | |
| Long-term, Systemic, Dermal | 699 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 608 mg/m ³ | | |
| Long-term, Systemic, Oral | 699 mg/kg bw/day | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | | |
| Long-term, Systemic, Dermal | 319 mg/kg bw/day | 2 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 89 mg/m ³ | 2 | Repeated dose toxicity |
| Long-term, Systemic, Oral | 26 mg/kg bw/day | 2 | Repeated dose toxicity |

Workers

| Components | Value | Assessment factor | Notes |
|--|------------------------|-------------------|-------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS EC921-024-6) | | | |
| Long-term, Systemic, Dermal | 773 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 2035 mg/m ³ | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | | |
| Long-term, Systemic, Dermal | 888 mg/kg bw/day | 1 | |
| Long-term, Systemic, Inhalation | 500 mg/m ³ | 1 | |

Predicted no effect concentrations (PNECs)

| Components | Value | Assessment factor | Notes |
|---|------------|-------------------|-------|
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | | |
| Freshwater | 140,9 mg/l | 1 | |
| Marine water | 140,9 mg/l | 1 | |
| Secondary poisoning | 160 mg/kg | 30 | Oral |

| | |
|-------------------------|-----------|
| Sediment (freshwater) | 552 mg/kg |
| Sediment (marine water) | 552 mg/kg |
| Soil | 28 mg/kg |

8.2. Exposure controls

Appropriate engineering controls Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Use eye protection conforming to EN 166.

Skin protection

- Hand protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Wear protective gloves. Full contact: Glove material: Neoprene. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness 0.38 mm.

- Other Wear appropriate chemical resistant clothing.

Respiratory protection Chemical respirator with organic vapour cartridge and full facepiece. (Filter type A)

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Colour Colourless.

Odour Characteristic odor.

Odour threshold Not available.

pH Not applicable.

Melting point/freezing point -94,7 °C (-138,5 °F) estimated

Initial boiling point and boiling range Not available.

Flash point -26,0 °C (-14,8 °F)

Evaporation rate 2,8 (Ether=1)

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 2,5 % estimated

Flammability limit - upper (%) 12,8 % estimated

Vapour pressure Not available.

Vapour density 3

Vapour density temp. 20 °C (68 °F)

Relative density 0,71 g/cm³

Relative density temperature 20 °C (68 °F)

Solubility(ies)

Solubility (water) Insoluble in water

| | |
|--|---------------------|
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | > 200 °C (> 392 °F) |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Explosive properties | Not explosive. |
| Oxidising properties | Not oxidising. |
| 9.2. Other information | |
| Chemical family | Cleaner |
| VOC | 716 g/l |

SECTION 10: Stability and reactivity

| | |
|---|--|
| 10.1. Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| 10.2. Chemical stability | Material is stable under normal conditions. |
| 10.3. Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| 10.4. Conditions to avoid | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the decomposition temperature. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| 10.5. Incompatible materials | Acids. Strong oxidising agents. Chlorine. Isocyanates. |
| 10.6. Hazardous decomposition products | Not available. |

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

Symptoms Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

11.1. Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

| Components | Species | Test Results |
|--|---|-------------------------------|
| acetone; propan-2-one; propanone (CAS 67-64-1) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rat | 15800 mg/kg |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane | | |
| Acute | | |
| Dermal | | |
| <i>Liquid</i> | | |
| LD50 | - | 2920 mg/kg bw/day, 24 h |
| Inhalation | | |
| <i>Vapour</i> | | |
| LC50 | Rat | 30000 mg/m ³ , 4 h |
| Oral | | |
| <i>Liquid</i> | | |
| LD50 | Rat | 5840 mg/kg bw/day |
| Skin corrosion/irritation | Causes skin irritation. | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Respiratory sensitisation | Based on available data, the classification criteria are not met. | |

| | |
|-------------------------------|---|
| Skin sensitisation | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

| | |
|---|---|
| Reproductive toxicity | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - single exposure | May cause drowsiness or dizziness. |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Mixture versus substance information | Not available. |
| Other information | Not available. |

SECTION 12: Ecological information

| | |
|--|---|
| 12.1. Toxicity | Toxic to aquatic life with long lasting effects. |
| 12.2. Persistence and degradability | No data is available on the degradability of any ingredients in the mixture. |
| 12.3. Bioaccumulative potential | |
| Partition coefficient n-octanol/water (log Kow) | |
| acetone; propan-2-one; propanone | -0,24 |
| Propan-2-ol; Isopropyl alcohol; Isopropanol | 0,05 |
| Bioconcentration factor (BCF) | Not available. |
| 12.4. Mobility in soil | No data available. |
| 12.5. Results of PBT and vPvB assessment | This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. |
| 12.6. Other adverse effects | The product contains volatile organic compounds which have a photochemical ozone creation potential. |

12.7. Additional information

Estonia Dangerous substances in soil Data

| | |
|---|---|
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg Chemical pesticides (As the total sum of the active substances) 5 mg/kg |
|---|---|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|--|
| Residual waste | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| EU waste code | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Disposal methods/information | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Special precautions | Dispose in accordance with all applicable regulations. |

SECTION 14: Transport information

ADR

| | |
|--------------------------------------|---|
| 14.1. UN number | UN1993 |
| 14.2. UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (isopropanol, acetone, hydrocarbons) |

14.3. Transport hazard class(es)

Class 3
Subsidiary risk -
Hazard No. (ADR) Not available.
Tunnel restriction code (D/E)
ADR/RID - Classification F1
code:

14.4. Packing group II

14.5. Environmental hazards Yes

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number UN1993

14.2. UN proper shipping name FLAMMABLE LIQUID, N.O.S. (isopropanol, acetone, hydrocarbons)

14.3. Transport hazard class(es)

Class 3
Subsidiary risk -

14.4. Packing group II

14.5. Environmental hazards Yes

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

14.1. UN number UN1993

14.2. UN proper shipping name FLAMMABLE LIQUID, N.O.S. (isopropanol, acetone, hydrocarbons)

14.3. Transport hazard class(es)

Class 3
Subsidiary risk -

14.4. Packing group II

14.5. Environmental hazards

Marine pollutant Marine pollutant

EmS F-E, S-E

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

ADR; IATA; IMDG



Marine pollutant



SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

acetone; propan-2-one; propanone (CAS 67-64-1)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

acetone; propan-2-one; propanone (CAS 67-64-1)

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

acetone; propan-2-one; propanone (CAS 67-64-1)

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

This safety data sheet conforms to the following laws, regulations and standards:
This safety data sheet conforms to the following laws, regulations and standards:
Act on the management of packaging and packaging waste of June 13, 2013
Regulation of the Minister of Health of June 11, 2012 on the categories of dangerous substances and dangerous preparations whose packaging should be fitted with child-resistant closures and a tactile warning of danger
REGULATION OF THE MINISTER OF HEALTH of February 2, 2011 on tests and measurements of factors harmful to health in working environments
Regulation of Ministry of Labor and Social Policy of June 6, 2014. On the matter of maximum permissible concentrations and intensities of harmful factors in the work environment (Journal of Laws 2014, item. 817)
Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices Decree No. 25/2000. (IX. 30.) EüM-SzCsM of the Minister of Health and the Minister of Social and Family Affairs on chemical safety at work
Act No. 93 of 1993 on Labour Safety (1993.évi XCIII.), as amended
Government Decree No. 220 of 2004 (VII. 21.) providing rules on the protection of surface waters quality
Government Decree No. 98/2001 (VI. 15.), on the conditions of the activities related to hazardous waste, and Ministry of Environmental Affairs Decree No. 16/2001 (VII. 18.), on the register of waste
s Public Act No. XXV of 2000 on Chemical Safety, and Application Decree No. 44/2000. (XII.27.) EüM [of the Ministry of Health]
Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

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.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
CAS: Chemical Abstract Service.
Ceiling: Short Term Exposure Limit Ceiling value.
CEN: European Committee for Standardization.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
GWP: Global Warming Potential.
IATA: International Air Transport Association.
IBC: Intermediate Bulk Container.
IMDG: International Maritime Dangerous Goods.
MAC: Maximum Allowed Concentration.
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative, toxic.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
VOC: Volatile organic compounds.
vPvB: Very persistent and very bioaccumulative.
STEL: Short-term Exposure Limit.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Revision information

None.

Training information

Follow training instructions when handling this material.

Disclaimer

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