



| | | | | Date of last issue: 2023/09/30 Date of first issue: 2018/04/13 |
|--|--|--|--|---|
|--|--|--|--|---|

1. PRODUCT AND COMPANY IDENTIFICATION

| Chemical product name | : | Dexamethasone (0.085%) Formulation |
|---|---|--|
| Supplier's company name, ad Company name of supplier | | |
| Address | : | Kumagaya, Saitama Prefecture , Xicheng 810 MSD Co., Ltd. Menuma factory |
| Telephone | : | 048-588-8411 |
| E-mail address | : | EHSDATASTEWARD@msd.com |
| Emergency telephone number | : | +1-908-423-6000 |

Recommended use of the chemical and restrictions on use

| Recommended use | : | Veterinary product |
|---------------------|---|--------------------|
| Restrictions on use | : | Not applicable |

2. HAZARDS IDENTIFICATION

GHS classification of chemical product

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

| Chemical name | CAS-No. | Concentration (% w/w) | ENCS No. |
|----------------|----------|-----------------------|----------|
| Benzyl alcohol | 100-51-6 | > 0 - < 10 | 3-1011 |
| Dexamethasone | 50-02-2 | >= 0.025 - < 0.1 | |

4. FIRST AID MEASURES

If inhaled

: If inhaled, remove to fresh air.

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Dexamethasone (0.085%) Formulation

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| In cas | e of skin contact | | | ntion if symptoms occur. |
| | | • | Get medical atte | ntion if symptoms occur. |
| In cas | se of eye contact | : | | water as a precaution. ntion if irritation develops and persists. |
| lf swa | llowed | : | Get medical atte |) NOT induce vomiting. ntion if symptoms occur. roughly with water. |
| | important symptoms ffects, both acute and ed | : | None known. | |
| Prote | ction of first-aiders to physician | : | | autions are necessary for first aid responders tically and supportively. |
| FIREFIC | GHTING MEASURES | | | |
| Suital | ble extinguishing media | : | Water spray Alcohol-resistan Carbon dioxide (Dry chemical | |
| Unsui media | table extinguishing | : | None known. | |
| | fic hazards during fire- | : | Exposure to con | nbustion products may be a hazard to health |
| Haza ucts | dous combustion prod- | : | Carbon oxides Metal oxides | |
| Speci ods | fic extinguishing meth- | : | cumstances and Use water spray | g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to |
| Special protective equipment for firefighters | | : | essary. | ned breathing apparatus for firefighting if ne otective equipment. |
| ACCIDE | ENTAL RELEASE MEAS | SUF | · · · | |
| Porec | nal precautions, protec- | | Follow safe han | dling advice (see section 7) and personal pro |
| tive e | quipment and emer- v procedures | • | | nt recommendations (see section 8). |
| Enviro | onmental precautions | : | Prevent further le Prevent spreadin barriers). Retain and dispo | the environment. eakage or spillage if safe to do so. ng over a wide area (e.g. by containment or ose of contaminated wash water. should be advised if significant spillages ined. |
| Metho | ods and materials for | : | Soak up with ine | rt absorbent material. |



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| CO | ntainment and cleaning up | ment to keep r be pumped, st Clean up rema bent. Local or natior posal of this m employed in th mine which reg Sections 13 ar | b, provide dyking or other appropriate contain- naterial from spreading. If dyked material can ore recovered material in appropriate container. and materials from spill with suitable absor- nal regulations may apply to releases and dis- aterial, as well as those materials and items the cleanup of releases. You will need to deter- gulations are applicable. Ind 15 of this SDS provide information regarding mational requirements. |
| 7. HAN | DLING AND STORAGE | | |
| На | Indling | | |
| | chnical measures | | ng measures under EXPOSURE ERSONAL PROTECTION section. |
| | cal/Total ventilation lvice on safe handling | : Handle in accor practice, based sessment | adequate ventilation. ordance with good industrial hygiene and safety d on the results of the workplace exposure as- revent spills, waste and minimize release to the |
| | oidance of contact giene measures | Oxidizing ager If exposure to flushing system place. When using do Wash contami The effective of engineering co appropriate de industrial hygie | nts chemical is likely during typical use, provide eye ns and safety showers close to the working o not eat, drink or smoke. nated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls. |
| Ste | orage | | |
| | onditions for safe storage | | ly labelled containers. Jance with the particular national regulations. |
| Ma | aterials to avoid | | ith the following product types: |
| Pa | ckaging material | : Unsuitable ma | terial: None known. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold limit value and permissible exposure limits for each component in the work environment

| Components CAS-No. | Value type (Form of exposure) | Control parame- ters / Reference concentration / | Basis |
|--------------------|-------------------------------------|--|-------|
|--------------------|-------------------------------------|--|-------|



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| | | | Permissible con- centration | | |
|----------------|---------------------------|---|--------------------------------|----------------|--|
| Benzyl alcohol | 100-51-6 | OEL-C | 25 mg/m3 | JP OEL JSOH | |
| | | Further information: Skin sensitizing agent; Group 2 substances which probably induce allergic reactions in humans. | | | |
| Dexamethasone | 50-02-2 | TWA | 10 µg/m3 (OEB 3) | Internal | |
| | Further information: Skin | | | | |
| | | Wipe limit | 100 µg/100 cm ² | Internal | |

| Engineering measures | Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling. |
|--------------------------------|---|
| Personal protective equipment | nt |
| Respiratory protection | If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. |
| Filter type Hand protection | : Organic vapour type |
| Material | Chemical-resistant gloves |
| Remarks | Consider double gloving. |
| Eye protection | Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. |
| Skin and body protection | Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical state | : | suspension |
|----------------|---|-------------------|
| Colour | : | No data available |
| Odour | : | No data available |



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| | | | | | |
| | Odour T | - hreshold | | No data available | 3 |
| | | | | | |
| | - | point/freezing point | : | Not applicable | |
| | | point, initial boiling Id boiling range | : | No data available | |
| | Flamma | bility (solid, gas) | : | Not applicable | |
| | Flamma | ability (liquids) | : | No data available |) |
| | Uppe | explosion limit and uppe er explosion limit / Up- lammability limit | | | |
| | | er explosion limit / er flammability limit | : | No data available | |
| | Flash po | oint | : | No data available |) |
| | Decomp | position temperature | : | No data available | 9 |
| | рН | | : | 7.0 - 7.8 No data available | 9 |
| | Evapora | ation rate | : | No data available | 9 |
| | Auto-igr | nition temperature | : | No data available | 9 |
| | Viscosit Visco | y osity, kinematic | : | No data available | 9 |
| | Solubilit Wate | y(ies) er solubility | : | soluble | |
| | Partitior octanol/ | n coefficient: n- /water | : | No data available | |
| | Vapour | pressure | : | No data available |) |
| | | and / or relative densit tive density | ty : | No data available | 9 |
| | Dens | sity | : | 1.01 g/cm ³ | |
| | Relative | e vapour density | : | No data available |) |
| | Explosiv | ve properties | : | Not explosive | |
| | Oxidizin | g properties | : | The substance of | r mixture is not classified as oxidizing. |



| Molecular weight : Not applicable Particle characteristics Particle size : Not applicable INSTRAINING PEACTIVITY Reactivity : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions Conditions to avoid : Can react with strong oxidizing agents. thore Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products Information on likely routes of : Inhalation Exposure : Skin contact Ingestion Eye contact Acute toxicity Matt assified based on available information. Product Acute inhalation toxicit : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Components: Benzyl alcohol: Acute inhalation toxicit : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicit : LD50 (Rat): > 2,000 mg/kg Method: OCCD Fest Guideline 403 Dexamethasone: Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg | Version Revision Date: 2.0 2024/04/06 | | S Number: 08658-00013 | Date of last issue: 2023/09/30 Date of first issue: 2018/04/13 |
|--|---|-------|--|---|
| Particle characteristics Particle size : Not applicable 0. STABILITY AND REACTIVITY : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid :: None known. Incompatible materials :: Oxidizing agents Hazardous decomposition products : None known. 1. TOXICOLOGICAL INFORMATION : Non hazardous decomposition products are known. Information on likely routes of exposure : Inhalation Skin contact ingestion Eye contact Acute toxicity : Not classified based on available information. Product: : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Cast atmosphere: dust/mist Method: Calculation method Components: : D50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LD50 (Rat): 2,4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 | | | | |
| Particle size : Not applicable Particle size : Not classified as a reactivity hazard. Chemical stability :: Stable under normal conditions. Possibility of hazardous reactivity hazardous decomposition products are known. : Can react with strong oxidizing agents. Incompatible materials :: Oxidizing agents Hazardous decomposition :: No hazardous decomposition products are known. products :: No hazardous decomposition products are known. Product :: Infalation Acute toxicity :: Acute toxicity estimate: > 2,000 mg/kg Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h : Test atmosphere: dust/mist | Molecular weight | : | Not applicable | |
| Reactivity :: Not classified as a reactivity hazard. Chemical stability :: Stable under normal conditions. Possibility of hazardous reac- tions :: Can react with strong oxidizing agents. Conditions to avoid :: None known. Incompatible materials :: Oxidizing agents Hazardous decomposition :: No hazardous decomposition products are known. Products : Inhalation Skin contact Ingestion Ingestion : Kin contact Ingestion : Eye contact Acute toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Method: Acute oral toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Catue oral toxicity : LD50 (Rat): 1,620 mg/kg Acute oral toxicity : LC50 (Rat): 2.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Method: OECD Test Guideline 403 | | : | Not applicable | |
| Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition products : No hazardous decomposition products are known. Information on likely routes of exposure : Inhalation Skin contact Ingestion Eye contact Acute toxicity : Inhalation Skin contact Not classified based on available information. Eve contact Product: : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute oral toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Benzyl alcohol: : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LD50 (Rat): 24.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Dexamethasone: : Dexamethasone: | 0. STABILITY AND REACTIVITY | , | | |
| 1. TOXICOLOGICAL INFORMATION Information on likely routes of exposure Inhalation Skin contact Ingestion Eye contact Eye contact Acute toxicity Not classified based on available information. Product: Acute oral toxicity Acute toxicity estimate: > 2,000 mg/kg Acute oral toxicity Acute toxicity estimate: > 2,000 mg/kg Acute inhalation toxicity Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Method: Calculation method Acute oral toxicity LD50 (Rat): 1,620 mg/kg Acute oral toxicity LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Method: OECD Test Guideline 403 | Chemical stability Possibility of hazardous reac- tions Conditions to avoid Incompatible materials Hazardous decomposition | | Stable under nor Can react with st None known. Oxidizing agents | mal conditions. rong oxidizing agents. |
| exposure Skin contact Ingestion Eye contact Acute toxicity Not classified based on available information. Product: Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute oral toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Benzyl alcohol: Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): 2,4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Dexamethasone: : | • | | | |
| Not classified based on available information. Product: Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Benzyl alcohol: Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Dexamethasone: | | : | Skin contact Ingestion | |
| Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Benzyl alcohol: Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): 24.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Dexamethasone: | Not classified based on availa | ble i | nformation. | |
| Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Senzyl alcohol: Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 | | : | | |
| Benzyl alcohol: Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 | Acute inhalation toxicity | : | Exposure time: 4 Test atmosphere: | h dust/mist |
| Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 | Components: | | | |
| Acute oral toxicity : LD50 (Rat): 1,620 mg/kg Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 | Benzyl alcohol: | | | |
| Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Dexamethasone: | | : | LD50 (Rat): 1,620 |) mg/kg |
| • | Acute inhalation toxicity | : | Exposure time: 4 Test atmosphere: | h dust/mist |
| Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg | Dexamethasone: | | | |
| | Acute oral toxicity | : | LD50 (Rat): > 2,0 | 00 mg/kg |



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| | | | | |
| | | | | |
| | | | LD50 (Mouse): > | 6,500 mg/kg |
| | ute toxicity (other routes of ninistration) | : | LD50 (Rat): 14 m Application Route | |
| Ski | n corrosion/irritation | | | |
| | classified based on availa | able | information. | |
| <u>Co</u> | mponents: | | | |
| | nzyl alcohol: ecies | | Rabbit | |
| Me | thod | : | OECD Test Guide | eline 404 |
| Res | sult | : | No skin irritation | |
| Dex | xamethasone: | | | |
| Spe Res | ecies | : | Rabbit Mild skin irritation | |
| | Sur | • | | |
| | rious eye damage/eye irr | | | |
| | t classified based on availa mponents: | able | information. | |
| | nzyl alcohol: | | | |
| | ecies | : | Rabbit | |
| Res | sult thod | : | Irritation to eyes, OECD Test Guide | reversing within 21 days |
| | | • | | |
| | xamethasone: | | 5.11% | |
| Spe | ecies sult | : | Rabbit Mild eye irritation | |
| _ | | _ | | |
| | spiratory or skin sensitis | satio | on | |
| - | n sensitisation classified based on availa | ahlo | information | |
| | spiratory sensitisation | 1010 | | |
| | classified based on availa | able | information. | |
| Co | mponents: | | | |
| Bei | nzyl alcohol: | | | |
| | st Type posure routes | : | Maximisation Tes Skin contact | t |
| Spe | ecies | : | Guinea pig | line 100 |
| _ | thod sult | : | OECD Test Guide negative | eline 406 |
| | | | | |



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| | | | |
| Germ | n cell mutagenicity | | |
| Not c | lassified based on av | ailable information. | |
| Com | ponents: | | |
| Benz | yl alcohol: | | |
| Geno | otoxicity in vitro | : Test Type: Ba Result: negat | acterial reverse mutation assay (AMES) ive |
| Geno | otoxicity in vivo | cytogenetic a Species: Mou | use oute: Intraperitoneal injection |
| Dexa | methasone: | | |
| Geno | otoxicity in vitro | : Test Type: Ba Result: negat | acterial reverse mutation assay (AMES) ive |
| | | Test Type: in Test system: Result: negat | mouse lymphoma cells |
| Geno | otoxicity in vivo | : Test Type: M Species: Mou Application R Result: negat | oute: Oral |
| Carci | inogenicity | | |
| Not c | lassified based on av | ailable information. | |
| Com | ponents: | | |
| Benz | yl alcohol: | | |
| | cation Route sure time od | : Mouse : Ingestion : 103 weeks : OECD Test 0 : negative | Guideline 451 |
| Repr | oductive toxicity | | |
| Not c | lassified based on av | ailable information. | |
| <u>Com</u> | ponents: | | |
| Benz | yl alcohol: | | |
| Effect | ts on fertility | Species: Rat Application R Result: negat | ertility/early embryonic development oute: Ingestion ive sed on data from similar materials |



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| Effect ment | s on foetal develop- | : | Test Type: Emb Species: Mouse Application Rou Result: negative | te: Ingestion |
| Dexa | methasone: | | | |
| Effect ment | s on foetal develop- | : | Developmental | |
| | | | Application Rou Developmental | te: Intramuscular Toxicity: NOAEL: 0.025 mg/kg body weight developmental abnormalities |
| | | | Developmental | te: Intramuscular Toxicity: LOAEL: >= 0.062 mg/kg body weig developmental abnormalities |
| | | | Developmental | te: Subcutaneous Toxicity: LOAEL: >= 0.02 mg/kg body weigl and visceral variations, Retardations |
| Repro sessn | oductive toxicity - As- nent | : | May damage the | e unborn child. |
| STOT | - single exposure | | | |
| Not cl | assified based on avail | able | information. | |
| | - repeated exposure | | | |
| | assified based on avail | able | information. | |
| <u>Comp</u> | oonents: | | | |
| | methasone: | | Oral | |
| Targe | sure routes et Organs esment | | | mmune system, thymus gland age to organs through prolonged or repeate |
| Repe | ated dose toxicity | | | |
| Comp | oonents: | | | |
| Benzy | yl alcohol: | | | |
| Speci NOAE | es | : | Rat 1.072 mg/l | |
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| | cation Route sure time | : 28 Days | ust/mist/fume) Guideline 412 |
| | | | |
| Speci NOAE Applic Expos | EL cation Route sure time et Organs | : Rat : 0.0015 mg/k : Oral : 7 d : Liver : Significant to | g oxicity observed in testing |
| Expos | L cation Route sure time tt Organs | | nal gland, thymus gland exicity observed in testing |
| Expos | L cation Route sure time t Organs | : Rat : 0.125 mg/kg : Oral : 6 Weeks : Adrenal glan : Significant to | d oxicity observed in testing |
| Expos | EL cation Route sure time et Organs | : Rat : 0.4 mg/kg : Oral : 3 Months : Immune syst : Significant to | tem exicity observed in testing |
| Expos | L cation Route sure time et Organs | : Dog : 8 mg/kg : Oral : 3 Months : Immune syst : Significant to | tem exicity observed in testing |
| - | ration toxicity lassified based on ava | allable information | |
| | rience with human e | | |
| - | oonents: | | |
| Dexa | methasone: | | |
| Ingest | tion | : Target Organ | ns: Immune system |
| | | Target Orga | ns: Adrenal gland |



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| | | | | |
| | | | Target Organs: Symptoms: mus | |
| . ECOL | OGICAL INFORMATION | N | | |
| Ecoto | oxicity | | | |
| <u>Comp</u> | oonents: | | | |
| | yl alcohol: ity to fish | : | LC50 (Pimepha Exposure time: | les promelas (fathead minnow)): 460 mg/l 96 h |
| | ity to daphnia and other ic invertebrates | : | Exposure time: | magna (Water flea)): 230 mg/l 48 h Test Guideline 202 |
| Toxic plants | ity to algae/aquatic | : | mg/l Exposure time: | irchneriella subcapitata (green algae)): 770 72 h Test Guideline 201 |
| | | | mg/l Exposure time: | kirchneriella subcapitata (green algae)): 31 72 h Test Guideline 201 |
| | ity to daphnia and other ic invertebrates (Chron- icity) | : | Exposure time: | a magna (Water flea)): 51 mg/l 21 d Test Guideline 211 |
| | methasone: | | | |
| | ity to daphnia and other ic invertebrates | : | Exposure time: | magna (Water flea)): > 56 mg/l 48 h Test Guideline 202 |
| Toxic plants | ity to algae/aquatic | : | mg/l Exposure time: | irchneriella subcapitata (green algae)): > 9 72 h Test Guideline 201 |
| | | | mg/l Exposure time: | kirchneriella subcapitata (green algae)): 9.2 72 h Test Guideline 201 |
| Toxici icity) | ity to fish (Chronic tox- | : | Exposure time: | ales promelas (fathead minnow)): 0.033 mg 32 d Test Guideline 210 |



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| | | | | |
| toxici | M-Factor (Chronic aquatic toxicity) Toxicity to microorganisms | | | |
| | | | NOEC: 1,000 m Exposure time: Test Type: Resp Method: OECD | |
| Persi | stence and degradat | oility | | |
| Com | ponents: | | | |
| Benz | yl alcohol: | | | |
| Biode | egradability | : | Result: Readily Biodegradation: Exposure time: | 92 - 96 % |
| Dexa | methasone: | | | |
| Biode | egradability | : | Biodegradation: Exposure time: | |
| Bioa | ccumulative potentia | I | | |
| Com | ponents: | | | |
| Benz | yl alcohol: | | | |
| | ion coefficient: n- ol/water | : | log Pow: 1.05 | |
| | methasone: | | | |
| | ion coefficient: n- ol/water | : | log Pow: 1.83 | |
| | lity in soil ata available | | | |
| | rdous to the ozone la pplicable | ayer | | |
| Othe | r adverse effects ata available | | | |



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13. DISPOSAL CONSIDERATIONS

| Disposal methods | | |
|------------------------|---|--|
| Waste from residues | : | Dispose of in accordance with local regulations. Do not dispose of waste into sewer. |
| Contaminated packaging | : | Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. |

14. TRANSPORT INFORMATION

International Regulations

| ι | J | Ν | | Ś | I | C | | G | | |
|----|---|---|---|---|---|---|---|----|---|--|
| ı. | ī | | ı | | | | _ | L_ | _ | |

| UN number Proper shipping name Class Subsidiary risk Packing group Labels | : | Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable |
|--|---|--|
| Environmentally hazardous | : | no |
| IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) | | Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable |
| IMDG-Code UN number Proper shipping name Class Subsidiary risk | : | Not applicable Not applicable Not applicable Not applicable |

| Class | : Not applicable |
|------------------|------------------|
| Subsidiary risk | : Not applicable |
| Packing group | : Not applicable |
| Labels | : Not applicable |
| EmS Code | : Not applicable |
| Marine pollutant | : Not applicable |
| | |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

Refer to section 15 for specific national regulation.

Special precautions for user

Not applicable



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15. REGULATORY INFORMATION

Related Regulations

Fire Service Law

Not applicable to dangerous materials / designated flammables.

Chemical Substance Control Law

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Substances Prevented From Impairment of Health

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

Substances Subject to be Notified Names

Article 57-2 (Enforcement Order Table 9)

| Chemical name | Concentration (%) | Remarks |
|----------------|-------------------|---------|
| Benzyl alcohol | >0 - <10 | - |

Substances Subject to be Indicated Names

Article 57 (Enforcement Order Article 18)

| Chemical name | Remarks |
|----------------|---------|
| benzyl alcohol | - |

Carcinogenic Substances (Article 577-2 of the Occupational Health and Safety Regulations)

Not applicable

Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

Ordinance on Prevention of Lead Poisoning

Not applicable

Ordinance on Prevention of Tetraalkyl Lead Poisoning

Not applicable

Ordinance on Prevention of Organic Solvent Poisoning

Not applicable





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| Enfor | cement Order of the | e Industrial Safety and | l Health Law - Attached table 1 (Dangerou |
| | tances) | - | |
| Not ap | oplicable | | |
| | | us Substances Contro | ol Law |
| Act o viron | | | of Specific Chemical Substances in the E the Management Thereof |
| - | Pressure Gas Safet | y Act | |
| • | osive Control Law | | |
| | el Safety Law egulated as a danger | ous good | |
| | ion Law egulated as a danger | ous good | |
| Marin | e Pollution and Sea | a Disaster Prevention | etc Law |
| Bulk t | ransportation | : Noxious liquid | substance(Category Z) |
| Pack | transportation | : Not classified a | s marine pollutant |
| Narco Not ap Speci | oplicable | aw Material (Export / Ir | nport Permission) xport / Import permission) |
| | e Disposal and Pub trial waste | lic Cleansing Law | |
| The c | omponents of this | product are reported i | n the following inventories: |
| AICS | | : not determined | |
| DSL | | : not determined | |
| IECS | - | : not determined | |

16. OTHER INFORMATION

In this SDS, if the concentration of substances subject to notification under the Industrial Safety and Health Law is indicated as a range, it includes cases where it is a trade secret.

Further information

| Sources of key data used to : | ternal technic | cal data, data from raw material SDSs, OECD |
|-------------------------------|-----------------|---|
| compile the Safety Data | Chem Portal : | search results and European Chemicals Agen- |
| Sheet | /, http://echa. | .europa.eu/ |



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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : yyyy/mm/dd

Full text of other abbreviations

| JP OEL JSOH | : | Japan. The Japan Society for Occupational Health. Recommendation of Occupational Exposure Limits |
|-------------|---|--|
| | | |

JP OEL JSOH / OEL-C : Occupational Exposure Limit-Ceiling

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China: IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.



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