SAFETY DATA SHEET



NORDICA EKO 3894-84 - All variants

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

1.1 Product identifier

: NORDICA EKO 3894-84 - All variants **Product name**

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

Product use : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person responsible for this SDS

: Prod-safe@teknos.com

National contact

▼eknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

1.4 Emergency telephone number

National advisory body/Poison Centre

: In an emergency, call 112 Telephone number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Skin Sens. 1, H317

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word : Warning

Hazard statements : H317 - May cause an allergic skin reaction.

Precautionary statements

Prevention : P280 - Wear protective gloves.

P261 - Avoid breathing vapour.

: P362 + P364 - Take off contaminated clothing and wash it before reuse. Response

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.

: Not applicable. **Storage**

P501 - Dispose of contents and container in accordance with all local, regional, **Disposal**

national and international regulations.

Hazardous ingredients : Contains: 1,2-benzisothiazol-3(2H)-one; 2-methyl-2H-isothiazol-3-one; 2-Octyl-2Hisothiazol-3-one and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.

247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 1/21 Label No : 48040

SECTION 2: Hazards identification

Supplemental label elements

: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains biocidal products for dry film and in-can preservation: IPBC and BIT and Bronopol and MIT and OIT and DTBMA and C(M)IT/ MIT (3:1) and MBIT. Risk of skin sensitisation.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers | % | Classification | Specific Conc. Limits, M-factors and ATEs | Туре |
|-----------------------------------|--|-----------|---|---|---------|
| tranium dioxide | REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7 | ≥10 - ≤25 | Carc. 2, H351 (inhalation) | - | [1] [*] |
| 3-iodo-2-propynyl-butyl carbamate | EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7 | <0.1 | Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 (larynx) Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | ATE [Oral] = 400 mg/kg ATE [Inhalation (dusts and mists)] = 0.67 mg/l M [Acute] = 10 M [Chronic] = 1 | [1] |
| 1,2-benzisothiazol-3(2H)- one | EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6 | <0.1 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 | ATE [Oral] = 1020 mg/kg Skin Sens. 1, H317: C ≥ 0.05% M [Acute] = 1 | [1] |
| 2-methyl-2H-isothiazol- 3-one | EC: 220-239-6 CAS: 2682-20-4 | <0.01 | Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 | ATE [Oral] = 100 mg/kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (dusts and mists)] = 0.11 mg/l Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 10 M [Chronic] = 1 | [1] |
| 2-Octyl-2H-isothiazol-3-one | EC: 247-761-7 CAS: 26530-20-1 Index: 613-112-00-5 | <0.0025 | Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 | ATE [Oral] = 125 mg/kg ATE [Dermal] = 311 mg/kg ATE [Inhalation | [1] |

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 2/21 Label No : #8040

SECTION 3: Composition/information on ingredients Skin Sens. 1A, H317 (dusts and mists)] Aguatic Acute 1, H400 = 0.27 mg/lAquatic Chronic 1, Skin Sens. 1, H317: H410 C ≥ 0.0015% **EUH071** M [Acute] = 100 M [Chronic] = 100 < 0.001 ATE [Oral] = 53 mg/[1]reaction mass of: 5-chloro-CAS: 55965-84-9 Acute Tox. 3, H301 2-methyl-4-isothiazolin-Index: 613-167-00-5 Acute Tox. 2, H310 3-one [EC no. 247-500-7] Acute Tox. 2, H330 ATE [Dermal] = 50 and 2-methyl-2H-isothiazol-Skin Corr. 1C, H314 mg/kg 3-one [EC no. 220-239-6] Eye Dam. 1, H318 ATE [Inhalation (vapours)] = 0.5Skin Sens. 1A, H317 (3:1)Aquatic Acute 1, H400 mg/l Aquatic Chronic 1, Skin Corr. 1C, H410 H314: C ≥ 0.6% **EUH071** Eye Dam. 1, H318: C ≥ 0.6% Eye Irrit. 2, H319: $0.06\% \le C < 0.6\%$ Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 100 M [Chronic] = 100 See Section 16 for the full text of the H statements declared

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

above.

Type

Substance classified with a health or environmental hazard

[*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter ≤ 10 µm not bound within a matrix.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 3/21 Label No : #8040

SECTION 4: First aid measures

as a collar, tie, belt or waistband.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact : No specific data. Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

> irritation redness

Ingestion : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

: Decomposition products may include the following materials:

Unsuitable extinguishing

media

: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products

carbon dioxide carbon monoxide metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Date of issue/Date of revision : 25/10/2023 · 18/12/2020 Version :1 4/21 Date of previous issue Label No : 48040

SECTION 6: Accidental release measures

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections

: See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Date of issue/Date of revision: 25/10/2023Date of previous issue: 18/12/2020Version: 15/21

Label No : 48040

| Product/ingredient name | Exposure limit values |
|---|--|
| Z -methyl-2H-isothiazol-3-one | Regulation on Limit Values - MAC (Austria, 4/2021). [5-chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one (mixture in the ratio 3:1)] Skin sensitiser. TWA: 0.05 mg/m³ 8 hours. |
| 2-Octyl-2H-isothiazol-3-one | Regulation on Limit Values - MAC (Austria, 4/2021). Absorbed through skin. Sensitization potential. TWA: 0.05 mg/m³ 8 hours. Form: Inhalable fraction CEIL: 0.05 mg/m³ 15 minutes. Form: Inhalable fraction |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Regulation on Limit Values - MAC (Austria, 4/2021). [5-chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one (mixture in the ratio 3:1)] Skin sensitiser. TWA: 0.05 mg/m³ 8 hours. |
| No exposure limit value known. | |
| No exposure limit value known. | |
| Z -Butoxyethanol | Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia, 1/2021). Absorbed through skin. STELV: 246 mg/m³ 15 minutes. STELV: 50 ppm 15 minutes. ELV: 98 mg/m³ 8 hours. ELV: 20 ppm 8 hours. |
| No exposure limit value known. | |
| No exposure limit value known. | |
| Z-Butoxyethanol | Working Environment Authority (Denmark, 6/2022). Absorbed through skin. TWA: 20 ppm 8 hours. TWA: 98 mg/m³ 8 hours. STEL: 246 mg/m³ 15 minutes. STEL: 50 ppm 15 minutes. |
| No exposure limit value known. | |
| 2 -Butoxyethanol | EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 20 ppm 8 hours. TWA: 98 mg/m³ 8 hours. STEL: 50 ppm 15 minutes. STEL: 246 mg/m³ 15 minutes. |
| No exposure limit value known. | |
| No exposure limit value known. | |
| 3 -iodo-2-propynyl-butyl carbamate | DFG MAC-values list (Germany, 7/2022). Skin sensitiser. PEAK: 0.116 mg/m³, 4 times per shift, 15 minutes. PEAK: 0.01 ppm, 4 times per shift, 15 minutes. TWA: 0.058 mg/m³ 8 hours. TWA: 0.005 ppm 8 hours. TRGS 900 OEL (Germany, 6/2022). Skin sensitiser. PEAK: 0.116 mg/m³ 15 minutes. PEAK: 0.01 ppm 15 minutes. TWA: 0.058 mg/m³ 8 hours. |
| 1,2-benzisothiazol-3(2H)-one 2-methyl-2H-isothiazol-3-one 2-Octyl-2H-isothiazol-3-one | TWA: 0.005 ppm 8 hours. DFG MAC-values list (Germany, 7/2022). Skin sensitiser. DFG MAC-values list (Germany, 7/2022). Skin sensitiser. TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 0.05 mg/m³ 8 hours. Form: Inhalable fraction PEAK: 0.1 mg/m³ 15 minutes. Form: Inhalable fraction DFG MAC-values list (Germany, 7/2022). Absorbed through skin. Skin sensitiser. TWA: 0.05 mg/m³ 8 hours. Form: inhalable fraction PEAK: 0.1 mg/m³, 4 times per shift, 15 minutes. Form: inhalable |

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 6/21 **Label No** : **48**040 NORDICA EKO 3894-84 - All variants

No exposure limit value known.

3-iodo-2-propynyl-butyl carbamate

2-Octyl-2H-isothiazol-3-one

No exposure limit value known.

No exposure limit value known.

3-iodo-2-propynyl-butyl carbamate

2-Octyl-2H-isothiazol-3-one

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

1-Methoxy 2-propanol

2-Butoxyethanol

fraction

Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021).

KTV: 0.01 ppm, 4 times per shift, 15 minutes.

TWA: 0.005 ppm 8 hours.

KTV: 0.116 mg/m³, 4 times per shift, 15 minutes.

TWA: 0.058 mg/m³ 8 hours.

Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021). Absorbed through skin.

TWA: 0.05 mg/m³ 8 hours. Form: Inhalable fraction

KTV: 0.1 mg/m³, 4 times per shift, 15 minutes. Form: Inhalable

fraction

SUVA (Switzerland, 1/2023). Skin sensitiser.

STEL: 0.24 mg/m³ 15 minutes. Form: vapour and aerosols

STEL: 0.02 ppm 15 minutes. Form: vapour and aerosols

TWA: 0.01 ppm 8 hours. Form: vapour and aerosols

TWA: 0.12 mg/m³ 8 hours. Form: vapour and aerosols

SUVA (Switzerland, 1/2023). Absorbed through skin. Skin sensitiser.

TWA: 0.05 mg/m³ 8 hours. Form: Inhalable fraction

STEL: 0.1 mg/m³ 15 minutes. Form: Inhalable fraction

SUVA (Switzerland, 1/2023). Skin sensitiser.

STEL: 0.4 mg/m³ 15 minutes. Form: Inhalable fraction TWA: 0.2 mg/m³ 8 hours. Form: Inhalable fraction

EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.

STEL: 560 mg/m³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 375 mg/m³ 8 hours. TWA: 100 ppm 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.

STEL: 50 ppm 15 minutes. TWA: 25 ppm 8 hours. STEL: 246 mg/m³ 15 minutes.

Date of issue/Date of revision : 25/10/2023 · 18/12/2020 Version :1 7/21 Date of previous issue Label No : 48040

TWA: 123 mg/m³ 8 hours. Dipropyleneglycolmethylether EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. TWA: 308 mg/m³ 8 hours. TWA: 50 ppm 8 hours. Ethanediol EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. TWA: 10 mg/m³ 8 hours. Form: Particulate TWA: 20 ppm 8 hours. Form: Vapour STEL: 40 ppm 15 minutes. Form: Vapour TWA: 52 mg/m³ 8 hours. Form: Vapour STEL: 104 mg/m³ 15 minutes. Form: Vapour EH40/2005 WELs (United Kingdom (UK), 1/2020). [ammonia Ammonia anhydrous] STEL: 25 mg/m3 15 minutes. Form: anhydrous STEL: 35 ppm 15 minutes. Form: anhydrous TWA: 25 ppm 8 hours. Form: anhydrous TWA: 18 mg/m³ 8 hours. Form: anhydrous

Biological exposure indices

| Product/ingredient name | Exposure indices |
|----------------------------|------------------|
| No exposure indices known. | |
| | |

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 8/21 Label No : 48040

No exposure indices known.

No exposure indices known.

2-Butoxyethanol

EH40/2005 BMGVs (United Kingdom (UK), 8/2018)

BGV: 240 mmol/mol creatinine, butoxyacetic acid [in urine]. Sampling time: post shift.

Recommended monitoring procedures

European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|-----------------------------------|------|--------------------------|-----------------------------|-----------------------|----------|
| Z-Butoxyethanol | DNEL | Long term Oral | 6.3 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Oral | 26.7 mg/ kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 59 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 98 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 147 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 246 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 426 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 1091 mg/ m³ | Workers | Systemic |
| 3-iodo-2-propynyl-butyl carbamate | DNEL | Long term Inhalation | 0.023 mg/ m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 0.07 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 1.16 mg/m³ | Workers | Local |
| | DNEL | Long term Inhalation | 1.16 mg/m³ | Workers | Local |
| | DNEL | Long term Dermal | 2 mg/kg bw/day | Workers | Systemic |
| 1,2-benzisothiazol-3(2H)-one | DNEL | Long term Dermal | 0.345 mg/ kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.966 mg/ kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 1.2 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 6.81 mg/m³ | | Systemic |
| 2-methyl-2H-isothiazol-3-one | DNEL | Long term Inhalation | 0.021 mg/ m³ | General population | Local |
| | DNEL | Long term Inhalation | 0.021 mg/ m ³ | Workers | Local |
| | DNEL | Long term Oral | 0.027 mg/ kg bw/day | General population | Systemic |
| | DNEL | Short term Inhalation | 0.043 mg/ m ³ | General population | Local |
| | DNEL | Short term Inhalation | 0.043 mg/ m ³ | Workers | Local |
| | DNEL | Short term Oral | 0.053 mg/ kg bw/day | General population | Systemic |

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020

NORDICA EKO 3894-84 - All variants Label No :#8040

Version :1

9/21

| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | DNEL | Long term Inhalation | 0.02 mg/m ³ | General population | Local |
|---|------|--------------------------|------------------------|-----------------------|----------|
| (0.1) | DNEL | Long term Inhalation | 0.02 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.04 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 0.04 mg/m ³ | Workers | Local |
| | DNEL | Long term Oral | 0.09 mg/ kg bw/day | General population | Systemic |
| | DNEL | Short term Oral | 0.11 mg/ kg bw/day | General population | Systemic |

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the layatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Recommendations: Wear suitable gloves tested to EN374.

> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm Not recommended polyvinyl alcohol (PVA) gloves

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Filter type (spray application):

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Date of issue/Date of revision : 25/10/2023 Date of previous issue · 18/12/2020 Version :1 10/21 Label No : 48040

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid. Colour : Various **Odour** : Slight

: Not available. **Odour threshold** Melting point/freezing point : Not available.

Initial boiling point and

boiling range

| Ingredient name | °C | °F | Method |
|---|------------|------------|--------|
| water | 100 | 212 | |
| 2,2,4-trimethylpentane-1,3-diol isobutyrate | 255 to 260 | 491 to 500 | |

Flammability : Not available.

Lower and upper explosion

limit

: Lower: Not applicable. Upper: Not applicable.

Flash point : Closed cup: >100°C (>212°F)

Auto-ignition temperature

| Ingredient name | °C | °F | Method |
|---|-----|-------|--------|
| 2.2,4-trimethylpentane-1,3-diol isobutyrate | 393 | 739.4 | |

: Not available. **Decomposition temperature** : 8.4 to 9.1 pН Not available. **Viscosity**

Solubility(ies)

Not available.

: Not available. Solubility in water Partition coefficient: n-octanol/ : Not applicable.

water

Vapour pressure

| | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|---|-------------------------|--------|--------|-------------------------|-----|--------|
| Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| water | 17.5 | 2.3 | | | | |
| 2,2,4-trimethylpentane-1,3-diol isobutyrate | 0.0098 | 0.0013 | EU A.4 | | | |

Relative density : Not available. **Density** : 1.2 g/cm³ Vapour density : Not available. : Not available. **Explosive properties Oxidising properties** : Not available.

Particle characteristics

Median particle size : Not applicable.

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 Label No : 48040

11/21

SECTION 10: Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions

10.1 Reactivity

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|------------------------------|---------------------------|---------|-------------|----------|
| 3-iodo-2-propynyl-butyl | LC50 Inhalation Dusts and | Rat | 0.67 g/m³ | 4 hours |
| carbamate | mists | | | |
| | LC50 Inhalation Dusts and | Rat | 0.763 mg/l | 4 hours |
| | mists | | | |
| | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | 400 mg/kg | - |
| 1,2-benzisothiazol-3(2H)- | LD50 Oral | Rat | 1020 mg/kg | - |
| one | | | | |
| 2-methyl-2H-isothiazol- | LC50 Inhalation Dusts and | Rat | 0.11 mg/l | 4 hours |
| 3-one | mists | | | |
| 2-Octyl-2H-isothiazol-3-one | LD50 Dermal | Rabbit | 690 mg/kg | - |
| | LD50 Oral | Rat | 550 mg/kg | - |
| reaction mass of: 5-chloro- | LD50 Oral | Rat | 53 mg/kg | - |
| 2-methyl-4-isothiazolin- | | | | |
| 3-one [EC no. 247-500-7] | | | | |
| and 2-methyl-2H-isothiazol- | | | | |
| 3-one [EC no. 220-239-6] (3: | | | | |
| 1) | | | | |

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Acute toxicity estimates

| Route | ATE value |
|---------------------|-------------|
| Mhalation (vapours) | 695.75 mg/l |

Irritation/Corrosion

| Result Species Score Exposure Observation | Result | Product/ingredient name |
|---|--------------------------|--|
| d irritant Human - 72 hours 300 - | Skin - Mild irritant | titanium dioxide |
| ug I | | |
| oderate irritant Rabbit - 24 hours 100 - | Eyes - Moderate irritant | 2-Butoxyethanol |
| mg | | |
| | Eyes - Severe irritant | |
| | Skin - Mild irritant | |
| vere irritant Rabbit | Eyes - Severe irritant | 3-iodo-2-propynyl-butyl carbamate |
| d irritant Human - 48 hours 5 % - | Skin - Mild irritant | 1,2-benzisothiazol-3(2H)-one |
| vere irritant Rabbit - 100 mg - | Eyes - Severe irritant | 2-Octyl-2H-isothiazol-3-one |
| vere irritant - 0.01 % - | Skin - Severe irritant | reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- |
| | 1 - | reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] |

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 12/21 Label No : 48040

SECTION 11: Toxicological information

| 3-one [EC no. 220-239-6] (3: | | | |
|------------------------------|--|--|--|
| 1) | | | |

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Sensitisation

| Product/ingredient name | Route of exposure | Species | Result |
|-----------------------------------|-------------------|------------|-----------------|
| 3-iodo-2-propynyl-butyl carbamate | skin | Guinea pig | Not sensitizing |

Conclusion/Summary

: May cause an allergic skin reaction.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|-----------------------------------|------|---|----------|
| 3-iodo-2-propynyl-butyl carbamate | - | Experiment: In vitro Subject: Bacteria | Negative |

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Developmental toxin | Species | Dose | Exposure |
|-----------------------------------|-------------------|-----------|---------------------|-----------------|-------------------|--------------------------------|
| 3-iodo-2-propynyl-butyl carbamate | Negative | - | Negative | Rabbit - Female | Oral: 20 mg/kg | 13 days; 7 days per week |
| | Positive | - | Negative | Rabbit - Female | Oral: 50 mg/kg | 13 days; 7 days per week |

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Teratogenicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-----------------------------------|-----------------|-----------------|----------|----------|
| 3-iodo-2-propynyl-butyl carbamate | Negative - Oral | Rabbit - Female | 50 mg/kg | 1 |

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-----------------------------------|------------|-------------------|---------------|
| 3-iodo-2-propynyl-butyl carbamate | Category 1 | - | larynx |

Aspiration hazard

Not available.

Information on likely routes: Not available.

of exposure

Potential acute health effects

Eye contact : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Date of issue/Date of revision : 25/10/2023 : 18/12/2020 Version :1 13/21 Date of previous issue Label No : 48040

SECTION 11: Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact: Adverse symptoms may include the following:

irritation redness

Ingestion: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-----------------------------------|---------------------------------------|--|----------|
| itanium dioxide | Acute LC50 3 mg/l Fresh water | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
| | Acute LC50 6.5 mg/l Fresh water | Daphnia - <i>Daphnia pulex</i> - Neonate | 48 hours |
| | Acute LC50 >1000000 μg/l Marine water | Fish - Fundulus heteroclitus | 96 hours |
| 2-Butoxyethanol | Acute EC50 >1000 mg/l Fresh water | Daphnia - <i>Daphnia magna</i> | 48 hours |
| | Acute LC50 800000 µg/l Marine water | Crustaceans - Crangon crangon | 48 hours |
| | Acute LC50 1250000 µg/l Marine water | Fish - Menidia beryllina | 96 hours |
| 3-iodo-2-propynyl-butyl carbamate | Acute EC50 0.022 mg/l Fresh water | Algae - Scenedemus subspicatus | 72 hours |
| | Acute EC50 0.16 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 0.067 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| | Acute NOEC 0.049 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| | Chronic NOEC 0.05 mg/l Fresh water | Daphnia - <i>Daphnia Magna</i> | 21 days |
| 1,2-benzisothiazol-3(2H)-one | Acute EC50 0.36 mg/l Marine water | Algae - Skeletonema Costatum | 72 hours |
| , | Acute EC50 3.7 mg/l | Daphnia - Daphnia Magna | 48 hours |
| | Acute LC50 1.9 mg/l Fresh water | Fish - Onorhynchus Mykiss | 96 hours |
| | Acute NOEC 0.15 mg/l Marine water | Algae - Skeletonema Costatum | 72 hours |
| 2-methyl-2H-isothiazol-3-one | Acute EC50 0.18 ppm Fresh water | Daphnia - <i>Daphnia magna</i> | 48 hours |

 Date of issue/Date of revision
 : 25/10/2023
 Date of previous issue
 : 18/12/2020
 Version
 : 1
 14/21

 NORDICA EKO 3894-84 - All variants
 Label No :48040

SECTION 12: Ecological information Acute LC50 0.07 ppm Fresh water Fish - Oncorhynchus mykiss 96 hours 2-Octyl-2H-isothiazol-3-one Acute EC50 107 ppb Fresh water Daphnia - Daphnia magna 48 hours Acute LC50 47 ppb Fresh water Fish - Oncorhynchus mykiss 96 hours Chronic NOEC 74 ppb Fresh water Daphnia - Daphnia magna 21 days Chronic NOEC 8.5 ppb Fish - Pimephales promelas 35 days

Conclusion/Summary

: Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|------------------------------|------|----------------|------|----------|
| 7,2-benzisothiazol-3(2H)-one | EU | 24 % - 28 days | - | - |

Conclusion/Summary: This product has not been tested for biodegradation.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-----------------------------------|-------------------|------------|------------------|
| 3-iodo-2-propynyl-butyl carbamate | - | - | Not readily |
| 1,2-benzisothiazol-3(2H)-one | - | - | Inherent |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|---|-----------|-----|------------|
| 2-Butoxyethanol | 0.81 | - | Low |
| 3-iodo-2-propynyl-butyl carbamate | >1 | - | Low |
| 1,2-benzisothiazol-3(2H)-one 2-Octyl-2H-isothiazol-3-one | - 2.45 | 3.2 | Low Low |

12.4 Mobility in soil

Soil/water partition

: Not available.

coefficient (Koc)

Mobility

: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

: 080112

Packaging

 Date of issue/Date of revision
 : 25/10/2023
 Date of previous issue
 : 18/12/2020
 Version
 : 1
 15/21

 NORDICA EKO 3894-84 - All variants
 Label No : ₹8040

SECTION 13: Disposal considerations

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|------------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number or ID number | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - | - |
| 14.4 Packing group | - | - | - | - |
| 14.5 Environmental hazards | No. | No. | No. | No. |

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

: Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name | % | Designation [Usage] |
|-------------------------|-----|---------------------|
| MORDICA EKO 3894-84 | ≥90 | 3 |

Labelling

Other EU regulations

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Air

Date of issue/Date of revision : 25/10/2023 · 18/12/2020 Version :1 16/21 Date of previous issue Label No : #8040

SECTION 15: Regulatory information

Industrial emissions : Not listed (integrated pollution

prevention and control) -

Water

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

Austria

VbF class : Not regulated.

Limitation of the use of : Permitted.

organic solvents

Czech Republic

Storage code : IV

Denmark

Danish fire class : IV-1 Executive Order No. 1795/2015

| Ingredient name | Annex I Section A | Annex I Section B |
|-----------------|-------------------|-------------------|
| tranium dioxide | Listed | - |

MAL-code

: 0-1

Protection based on MAL

: According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:

General: Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.

MAL-code: 0-1

Application: When spraying in existing* spray booths, if the operator is outside the spray zone.

- Arm protectors must be worn.

During non-atomising spraying in existing* facilities of the combined-cabin, spraycabin and spray-booth type where the operator is working inside the spray zone.

- Gas filter mask must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Full mask with combined filter, coveralls and hood must be worn.

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020

NORDICA EKO 3894-84 - All variants

Version :1

Label No :48040

17/21

SECTION 15: Regulatory information

Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

Polishing: When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be

Caution The regulations contain other stipulations in addition to the above.

*See Regulations.

Restrictions on use : Not to be used by professional users below 18 years of age. See the National

Working Environment Authorities Executive Order regarding Young People At Work.

List of undesirable

substances

Finland France

Reinforced medical

surveillance

: Act of July 11, 1977 determining the list of activities which require reinforced

medical surveillance: not applicable

Germany

Storage class (TRGS 510) : 10 **Hazardous incident ordinance**

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water

Technical instruction on

air quality control

: \(\tilde{V}\)A-Luft Number 5.2.5: 5.2%

AOX : The product contains organically bound halogens and can contribute to the AOX

value in waste water.

Italy

D.Lgs. 152/06 : Not determined.

Netherlands

Ministry of Social Affairs and Employment (SZW) - Carcinogenic substances and processes, mutagenic or reprotoxic substances

| Ingredient name | Carcinogen | Mutagen | Reproductive toxicity - Fertility | Reproductive toxicity - Development | Harmful via breastfeeding |
|---|------------|---------|-----------------------------------|-------------------------------------|---------------------------|
| Maphtha (petroleum), hydrotreated heavy | Listed | Listed | - | - | - |

Water Discharge Policy (ABM)

(1) Non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/ bioacumulative potential/ toxicity or persistence). Decontamination effort: Z

Norway <u>Sweden</u>

Switzerland

VOC content : Exempt.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 18/21 NORDICA EKO 3894-84 - All variants Label No : 48040

SECTION 15: Regulatory information

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment

: This product contains substances for which Chemical Safety Assessments are still

required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation (EC) No.

1272/20081

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification | |
|--------------------|--------------------|--|
| Skin Sens. 1, H317 | Calculation method | |

Full text of abbreviated H statements

| ⊮ 301 | Toxic if swallowed. |
|--------------|---|
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H351 | Suspected of causing cancer. |
| 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. |
| EUH071 | Corrosive to the respiratory tract. |

Full text of classifications [CLP/GHS]

| Cute Tox. 2 | ACUTE TOXICITY - Category 2 |
|-------------------|---|
| Acute Tox. 3 | ACUTE TOXICITY - Category 3 |
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Aquatic Acute 1 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 |
| Carc. 2 | CARCINOGENICITY - Category 2 |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 |
| Skin Corr. 1 | SKIN CORROSION/IRRITATION - Category 1 |
| Skin Corr. 1B | SKIN CORROSION/IRRITATION - Category 1B |
| Skin Corr. 1C | SKIN CORROSION/IRRITATION - Category 1C |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| Skin Sens. 1A | SKIN SENSITISATION - Category 1A |
| STOT RE 1 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |

Date of issue/Date of revision : 25/10/2023 : 18/12/2020 Version :1 19/21 Date of previous issue Label No : 48040

SECTION 16: Other information

Date of issue/ Date of

revision

: 25/10/2023

Date of previous issue : 18/12/2020

Version : 1

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

Date of issue/Date of revision : 25/10/2023 Date of previous issue : 18/12/2020 Version :1 20/21 Label No : #8040

Date of issue/Date of revision Version :1 : 25/10/2023 Date of previous issue : 18/12/2020 21/21 **Label No** :₹8040