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

1.1. Product identifier

|  |  |  |
| --- | --- | --- |
| Product Form | : | Mixture |
| Product Name | : | Pigment Sticks and Jars |

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

1.2.1. Relevant identified uses

|  |  |  |
| --- | --- | --- |
| Use of the substance/mixture | : | Art material - consumer product |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

|  |  |
| --- | --- |
| **Company**  R&F Handmade Paints, Inc. 84 Ten Broeck Avenue Kingston, NY 12401 800-206-8088 [rfpaints.com](file:///\\leon\customers\CUSTOMERS\Toxrisk_Consulting_LLC\Authoring%20Services\Authoring_20210216\Batch_Folder_002\B_Draft_SDS\MS_Word_Files\rfpaints.com)  [darin@rfpaints.com](mailto:darin@rfpaints.com) |  |

1.4. Emergency telephone number

|  |  |  |
| --- | --- | --- |
| Emergency number | : | +01 845-331-3112 |

# SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification According to Regulation (EC) No. 1272/2008

No labelling applicable to products with pigments other than tricobalt bis(orthophosphate).

Products containing tricobalt bis(orthophosphate) may be hazardous if swallowed (H302).

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

Health Hazards: Acute oral toxicity, category 4 (H302)

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

2.2. Label elements

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

No labelling applicable to products with pigments other than tricobalt bis(orthophosphate).

Products containing tricobalt bis(orthophosphate) may be hazardous if swallowed (H302) and require the following pictogram:

Icon

Description automatically generated

Signal Word: Warning

Hazard Statements:

H302 – (May be) harmful if swallowed

Precautionary Statements:

P301 + P330 + P331 – IF SWALLOWED: rinse mouth. DO NOT induce vomiting.

2.3. Other hazards

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

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

|  |  |  |
| --- | --- | --- |
| Other hazards which do not result in classification | : | Exposure may aggravate pre-existing eye, skin, or respiratory conditions. |

# SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification According to Regulation (EC) No. 1272/2008 |
| --- | --- | --- | --- |
| Linseed oil | (CAS-No.) 8001-26-1  (EC-No.) 232-278-6 | 30 – 76,3 | Not classified |
| Linseed oil, polymerized | (CAS-No.) 67746-08-1  (EC-No.) 614-114-9 | 2,7 – 13 | Not classified |
| Natural waxes (trade secret) | (CAS-No.) NA  (EC-No.) NA | 5 – 13 | Not classified |
| Beeswax | (CAS-No.) 8012-89-3  (EC-No.) 232-383-7 | 1 – 6 | Not classified |
| **Cadmium sulfoselenide orange**  Cadmium Orange, Jaune Brillant | (CAS-No.) 12656-57-4  (EC-No.) 235-758-3 | 30-50 | Not classified |
| **Cadmium sulfoselenide red**  Cadmium Red Lt, Med, Dp; Warm Pink, Warm Rose | (CAS-No.) 58339-34-7  (EC-No.) 261-218-1 | 30-50 | Not classified |
| **Cadmium zinc sulfide yellow**  Cadmium Lemon, Lt, Med, Dp; Naples Yellow, Jaune Brillant, Warm Pink, Olive Yellow, Celadon Green, Cadmium Green, Cadmium Green Pale, Permanent Green, Veronese Green, Courbet Green | (CAS-No.) 8048-07-5  (EC-No.) 232-466-8 | 30-50 | Not classified |
| **Spinels, cobalt tin grey**  Cerulean Blue, Cerulean Extra Pale, Cerulean Grey, Manganese Blue Hue | (CAS-No.) 68187-05-3  (EC-No.) 269-066-8 | 30-50 | Not classified |
| **Cobalt aluminate blue spinel**  Cobalt Blue, Kings Blue, Cobalt Turquoise, Blue Ochre, Cobalt Teal, Neutral Grey Pale, Lt, Med, Dp | (CAS-No.) 1345-16-0  (EC-No.) 310-193-6 | 20-40 | Not classified |
| **Tricobalt bis(orthophosphate)**  Cobalt Violet Deep | (CAS-No.) 13455-36-2  (EC-No.) 236-655-6 | 30-50 | Acute Tox 4; H302 |
| **Disazo (diarylide)**  Indian Yellow, Alizarin Orange, Sap Green, Turkey Red | (CAS-No.) 5567-15-7  (EC-No.) 226-939-8 | 3-7 | Not classified |
| **Chromium (III) oxide, hydrated**  Viridian, Cadmium Green, Cadmium Green Pale, Green Earth, Cobalt Turquoise | (CAS-No.) 12001-99-9  (EC-No.) none | 15-40 | Not classified |
| **Chromium (III) oxide**  Chromium Oxide Green, Celadon Green | (CAS-No.) 1308-38-9  (EC-No.) 215-160-9 | 30-60 | Not classified |

# SECTION 4: First aid measures

4.1. Description of first aid measures

|  |  |  |
| --- | --- | --- |
| First-aid measures general | : | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after ingestion | : | Rinse mouth. Do NOT induce vomiting. Obtain medical attention. |
| First-aid measures after skin contact | : | Cool skin rapidly with cold water after contact with molten material. For skin contact, wash with soap and water while removing contaminated clothing. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : | Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists. |
|  |  |  |

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

|  |  |  |
| --- | --- | --- |
| Symptoms/effects | : | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation | : | Prolonged exposure may cause irritation. |
| Symptoms/effects after skin contact | : | Prolonged exposure may cause skin irritation. |
| Symptoms/effects after eye contact | : | May cause slight irritation to eyes. |
| Symptoms/effects after ingestion | : | Ingestion may cause adverse effects. |
| Chronic symptoms | : | None expected under normal conditions of use. |

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

# SECTION 5: Firefighting measures

5.1. Extinguishing media

|  |  |  |
| --- | --- | --- |
| Suitable extinguishing media | : | Water spray, fog, carbon dioxide (CO2), alcohol-resistant foam, or dry chemical. |
| Unsuitable extinguishing media | : | Do not use a heavy water stream. Use of heavy stream of water may spread fire. |

5.2. Special hazards arising from the substance or mixture

|  |  |  |
| --- | --- | --- |
| Fire hazard | : | Not flammable under normal conditions of use. The product is insoluble and floats on water. Risk for spontaneous combustion if substantial quantities of product are left on porous organic materials (cotton waste or rag). Used rags or other cleaning materials may begin to burn by themselves if improperly discarded. Contaminated equipment (brushes, rags) must be cleaned immediately with water. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; Nitrogen oxides (NOx); Metal oxides. |
| Explosion hazard | : | Product is not explosive. |
| Reactivity | : | Hazardous reactions will not occur under normal conditions. |
| Hazardous decomposition products in case of fire | : | Carbon oxides (CO, CO2). Smoke. |

5.3. Advice for firefighters

|  |  |  |
| --- | --- | --- |
| Precautionary measures fire | : | Exercise caution when fighting any chemical fire. |
| Firefighting instructions | : | Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : | Do not enter fire area without proper protective equipment, including respiratory protection. |

# SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

|  |  |  |
| --- | --- | --- |
| General measures | : | Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. |

6.1.1. For non-emergency personnel

|  |  |  |
| --- | --- | --- |
| Protective equipment | : | Use appropriate personal protective equipment (PPE). |
| Emergency procedures | : | Evacuate unnecessary personnel. |

6.1.2. For emergency responders

|  |  |  |
| --- | --- | --- |
| Protective equipment | : | Equip cleanup crew with proper protection. |
| Emergency procedures | : | Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

|  |  |  |
| --- | --- | --- |
| For containment | : | Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : | Clean up spills immediately and dispose of waste safely. If product is heated and molten, allow product to cool off before cleaning up. Scrape up product and place it into a container for disposal. Contact competent authorities after a spill. |

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

# SECTION 7: Handling and storage

7.1. Precautions for safe handling

|  |  |  |
| --- | --- | --- |
| Precautions for safe handling | : | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Keep away from extreme heat and direct flame. Keep away from acids and other incompatibles. Risk for spontaneous combustion if substantial quantities of product are left on porous organic materials (cotton waste or rag). Used rags or other cleaning materials may begin to burn by themselves if improperly discarded. In order to prevent the risk of fire, good housekeeping standards must be maintained and the accumulation of residues on contaminated rags, etc. should be avoided. |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety procedures. |

7.2. Conditions for safe storage, including any incompatibilities

|  |  |  |
| --- | --- | --- |
| Technical measures | : | Comply with applicable regulations. |
| Storage conditions | : | Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. |
| Incompatible materials | : | Strong acids, strong bases, strong oxidizers. |

7.3. Specific end use(s): Art material - consumer product

# SECTION 8: Exposure controls/personal protection

8.1. Control parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Cobalt aluminate blue spinel (as Co)**  **Spinels, cobalt tin grey (as Co)**  **Tricobalt bis(orthophosphate)** | | | |
| **Country** | **Limit Value (TWA)** | **Limit Value (STEL)** | **Notes** |
| Australia | 0,05 | -- | -- |
| Austria | 0,1 | 0,4 | TRK value (based on technical feasibility) |
| Belgium | 0,02 (1) | -- | (1) Inhalable fraction and vapour |
| Canada - Ontario | 0,02 | -- | -- |
| Canada - Québec | 0,02 | -- | -- |
| Denmark | 0,01 | 0,02 | -- |
| Finland | 0,02 | -- | -- |
| Germany (AGS) | 0,005 (1)(2)(3) | 0,04 (1)(2)(3)(5) | (1) Classified as C1A and C1B (2) Respirable fraction (3) Workplace exposure concentration corresponding to the proposed tolerable cancer risk. (see background document: Germany AGS) (4) Workplace exposure concentration corresponding to the proposed preliminary acceptable cancer risk. (see background document: Germany AGS) (5) 15 minutes average value |
| 0,0005 (1)(2)(4) |
| Hungary | 0,1 | 0,4 | -- |
| Ireland | 0,02 | -- | -- |
| Israel | 0,02 (1) | -- | (1) Inhalable fraction |
| Japan (MHLW) | 0,02 (1) | -- | (1) Cobalt and inorganic compounds |
| Japan (JSOH) | 0,05 | -- | -- |
| Latvia | 0,5 | -- | -- |
| New Zealand | 0,02 (1) | -- | (1) Cobalt metal dust and fume |

|  |  |  |  |
| --- | --- | --- | --- |
| **Cobalt aluminate blue spinel (as Co)**  **Spinels, cobalt tin grey (as Co)**  **Tricobalt bis(orthophosphate)** | | | |
| **Country** | **Limit Value (TWA)** | **Limit Value (STEL)** | **Notes** |
| Norway | 0,02 (1) | -- | (1) Cobalt and its inorganic compounds, except Co(II) |
| People's Republic of China | 0,05 | 0,1 (1) | (1) 15 minutes average value |
| Poland | 0,02 | -- | -- |
| Romania | 0,05 | 0,1 (1) | (1) 15 minutes average value |
| Singapore | 0,02 | -- | -- |
| South Korea | 0,02 | -- | -- |
| Spain | 0,02 | -- | -- |
| Sweden | 0,02 (1) | -- | (1) Cobalt and inorganic compounds |
| Switzerland | 0,05 inhalable aerosol | -- | -- |
| The Netherlands | 0,02 | -- | Dust and fume |
| USA - OSHA | 0,1 | -- | -- |
| United Kingdom | 0,1 | -- | -- |

|  |  |  |  |
| --- | --- | --- | --- |
| **Cadmium sulfoselenide orange (as Cd)**  **Cadmium sulfoselenide red (as Cd)**  **Cadmium zinc sulfide yellow (as Cd)** | | | |
| **Country** | **Limit Value (TWA)** | **Limit Value (STEL)** | **Notes** |
| European Union | 0,001 (1)(2) | -- | (1) Inhalable fraction (2) Limit value 0,004 mg/m3 until 11 July 2027 Bold-type: Binding Occupational Exposure Limit Value (BOELV) |
| Norway | 0,05 | -- |  |
| Sweden | 0,001 (1) | -- | (1) The limit value enter into force at 11 July 2027, Until then limit value is 0,004 as inhalable fraction. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chromium (III) oxide (as Cr)** | | | |
| **Country** | **Limit Value (TWA)** | **Limit Value (STEL)** | **Notes** |
| Australia | 0,5 | -- | -- |
| Canada – Ontario | 0,5 | -- | -- |
| Finland | 0,5 | -- | -- |
| Japan (JSOH) | 0,5 | -- | -- |
| New Zealand | 0,5 | -- | -- |
| Norway | 0,5 | -- | -- |
| Poland | 0,5 | -- | -- |
| South Korea | 0,5 | -- | -- |
| USA - NIOSH | 0,5 | -- | -- |

|  |  |  |  |
| --- | --- | --- | --- |
| **Pigment Yellow 83** | | | |
| **Country** | **Limit Value (TWA)** | **Limit Value (STEL)** | **Notes** |
| Germany (DFG) | 0,3 (1)(2) | 2,4 (1)(2)(3) | (1) Respirable fraction (2) Multiplied by the material density x 0,5 (3) 15 minutes average value |

8.2. Exposure controls

|  |  |  |
| --- | --- | --- |
| Appropriate engineering controls | : | Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment. |
| Personal protective equipment | : | Not generally required. The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles. |
| Materials for protective clothing | : | Chemically resistant materials and fabrics. |
| Hand protection | : | Wear protective gloves. |
| Eye and Face Protection | : | Chemical safety goggles. |
| Skin and body protection | : | Wear suitable protective clothing. |
| Respiratory protection | : | If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection. |
| Other information | : | When using, do not eat, drink or smoke. |

# SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

|  |  |  |
| --- | --- | --- |
| Physical state | : | Solid |
| Appearance | : | Wax-like solid, various colors |
| Colour | : | No data available |
| Odour | : | No data available |
| Odour threshold | : | No data available |
| pH | : | No data available |
| Evaporation rate | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | < 204 °C (399,2 °F) |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Solubility | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Viscosity | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |

9.2. Other information

No additional information available

# SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous decomposition products

Thermal decomposition may produce: Carbon oxides (CO, CO2).

# SECTION 11: Toxicological information

11.1. Information on toxicological effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Acute toxicity | : | Products containing tricobalt bis(orthophosphate) may be hazardous if swallowed. | | |
| Skin corrosion/irritation | | | : | Not classified (Based on available data, the classification criteria are not met) | |
| Serious eye damage/irritation | | | : | Not classified (Based on available data, the classification criteria are not met) | |
| Respiratory or skin sensitisation | | | : | Not classified (Based on available data, the classification criteria are not met) | |
| Germ cell mutagenicity | | | : | Not classified (Based on available data, the classification criteria are not met) | |
| Carcinogenicity | | | : | Not classified (Based on available data, the classification criteria are not met) | |

|  |  |  |
| --- | --- | --- |
| Reproductive toxicity | : | Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : | Not classified (Based on available data, the classification criteria are not met) |

|  |  |  |
| --- | --- | --- |
| STOT-repeated exposure | : | Not classified (Based on available data, the classification criteria are not met) |

|  |  |  |
| --- | --- | --- |
| Aspiration hazard | : | Not classified (Based on available data, the classification criteria are not met) |

|  |  |  |
| --- | --- | --- |
| Symptoms/Injuries After Inhalation | : | Prolonged exposure may cause irritation. |
| Symptoms/Injuries After Skin Contact | : | Prolonged exposure may cause skin irritation. |
| Symptoms/Injuries After Eye Contact | : | May cause slight irritation to eyes. |
| Symptoms/Injuries After Ingestion | : | Ingestion may cause adverse effects. |
| Chronic Symptoms | : | None expected under normal conditions of use. |

# SECTION 12: Ecological information

12.1. Toxicity

|  |  |  |
| --- | --- | --- |
| Ecology - general | : | Not classified. |

| Linseed oil, polymerized (67746-08-1) | |
| --- | --- |
| LC50 - Fish [1] | > 1 mg/l (Exposure time: 96 h - Species: Danio rerio [static]) |

12.2. Persistence and degradability

| Pigment Sticks | |
| --- | --- |
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| Pigment Sticks | |
| --- | --- |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| Pigment Sticks |
| --- |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

|  |  |  |
| --- | --- | --- |
| Other information | : | Avoid release to the environment. |

# SECTION 13: Disposal considerations

13.1. Waste treatment methods

|  |  |  |
| --- | --- | --- |
| Product/Packaging disposal recommendations | : | Dispose of contents/container in accordance with local, regional, national, and international regulations. |
| Ecology - waste materials | : | Avoid release to the environment. |

# SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

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

| ADR | **IMDG** | **IATA** | **ADN** | **RID** |
| --- | --- | --- | --- | --- |
| 14.1. UN number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No  Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

14.6. Special precautions for user

No additional information available

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

Not applicable

# SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

All compounds listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# SECTION 16: Other information

|  |  |  |
| --- | --- | --- |
| Date of Preparation or Latest Revision | : | 27/09/2022 |
| Data sources | : | Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS. |
| Other information | : | According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 |

**Indication of Changes** No additional information available

**Abbreviations and Acronyms**

|  |  |
| --- | --- |
| ACGIH – American Conference of Governmental Industrial Hygienists ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road ATE - Acute Toxicity Estimate BCF - Bioconcentration Factor BEI - Biological Exposure Indices (BEI) BOD – Biochemical Oxygen Demand CAS No. - Chemical Abstracts Service Number CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008 COD – Chemical Oxygen Demand EC – European Community EC50 - Median Effective Concentration EEC – European Economic Community EINECS – European Inventory of Existing Commercial Chemical Substances EmS-No. (Fire) - IMDG Emergency Schedule Fire EmS-No. (Spillage) - IMDG Emergency Schedule Spillage EU – European Union ErC50 - EC50 in Terms of Reduction Growth Rate GHS – Globally Harmonized System of Classification and Labeling of Chemicals IARC - International Agency for Research on Cancer IATA - International Air Transport Association IBC Code - International Bulk Chemical Code IMDG - International Maritime Dangerous Goods IPRV - Ilgalaikio Poveikio Ribinis Dydis IOELV – Indicative Occupational Exposure Limit Value LC50 - Median Lethal Concentration LD50 - Median Lethal Dose LOAEL - Lowest Observed Adverse Effect Level LOEC - Lowest-Observed-Effect Concentration Log Koc - Soil Organic Carbon-water Partitioning Coefficient Log Kow - Octanol/water Partition Coefficient Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water MAK – Maximum Workplace Concentration/Maximum Permissible Concentration MARPOL - International Convention for the Prevention of Pollution | NDS - Najwyzsze Dopuszczalne Stezenie NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe NOAEL - No-Observed Adverse Effect Level NOEC - No-Observed Effect Concentration NRD - Nevirsytinas Ribinis Dydis NTP – National Toxicology Program OEL - Occupational Exposure Limits PBT - Persistent, Bioaccumulative and Toxic PEL - Permissible Exposure Limit pH – Potential Hydrogen REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail SADT - Self Accelerating Decomposition Temperature SDS - Safety Data Sheet STEL - Short Term Exposure Limit STOT - Specific Target Organ Toxicity TA-Luft - Technische Anleitung zur Reinhaltung der Luft TEL TRK – Technical Guidance Concentrations ThOD – Theoretical Oxygen Demand TLM - Median Tolerance Limit TLV - Threshold Limit Value TPRD - Trumpalaikio Poveikio Ribinis Dydis TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte TSCA - Toxic Substances Control Act TWA - Time Weighted Average VOC – Volatile Organic Compounds VLA-EC - Valor Límite Ambiental Exposición de Corta Duración VLA-ED - Valor Límite Ambiental Exposición Diaria VLE – Valeur Limite D’exposition VME – Valeur Limite De Moyenne Exposition vPvB - Very Persistent and Very Bioaccumulative WEL – Workplace Exposure Limit WGK - Wassergefährdungsklasse |

EU GHS SDS

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

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