Colour
By Univar Solutions

SAFETY DATA SHEET
15122 BROWN

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

1.1. Product identifier

Product name 15122 BROWN

Product number 61514

Synonyms; trade names 15122 BROWN MICRO

REACH registration notes This product is not classified as hazardous, the information in this datasheet is given for guidance only.

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

Identified uses Colourant

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
SDS.EMEA@univarsolutions.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 61514

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

15122 BROWN

ALUMINIUM HYDROXIDE **30-60%**

CAS number: 21645-51-2 EC number: 244-492-7 REACH registration number: 01-2119529246-39-XXXX

Classification
Not Classified

IRON HYDROXIDE OXIDE YELLOW **30-60%**

CAS number: 51274-00-1 EC number: 257-098-5 REACH registration number: 01-2119457554-33-XXXX

Acute Toxicity Estimate (oral):> 5000 mg/kg

Classification
Not Classified

RED IRON OXIDE **5-10%**

CAS number: 1309-37-1 EC number: 215-168-2 REACH registration number: 01-2119457614-35-XXXX

Acute Toxicity Estimate (oral):> 10000 mg/kg

Classification
Not Classified

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX **1-5%**

CAS number: 16521-38-3 EC number: 240-589-3 REACH registration number: 01-2120115893-55XXXX

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if any discomfort continues.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

15122 BROWN

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

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

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

Notes for the doctor Treat symptomatically. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

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

5.2. Special hazards arising from the substance or mixture

Specific hazards Dust may form explosive mixture with air. When heated and in case of fire, toxic vapours/gases may be formed.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Avoid generation and spreading of dust.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Avoid spilling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

15122 BROWN

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ALUMINIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL No std.
Short-term exposure limit (15-minute): WEL No std.

IRON HYDROXIDE OXIDE YELLOW

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ fume
Short-term exposure limit (15-minute): WEL 10 mg/m³ fume
as Fe
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

RED IRON OXIDE

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ fume
Short-term exposure limit (15-minute): WEL 10 mg/m³ fume
as Fe
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
WEL = Workplace Exposure Limit.

Ingredient comments Observe any occupational exposure limits for the product or ingredients.

ALUMINIUM HYDROXIDE (CAS: 21645-51-2)

Ingredient comments WEL = Workplace Exposure Limits

DNEL - Oral; Short term : 6.85 mg/kg/day
- Inhalation; Short term : 3.59 mg/m³

IRON HYDROXIDE OXIDE YELLOW (CAS: 51274-00-1)

DNEL Workers - Inhalation; Long term local effects: 10 mg/m³

RED IRON OXIDE (CAS: 1309-37-1)

DNEL Workers - Inhalation; Long term local effects: 10 mg/m³

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX (CAS: 16521-38-3)

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

15122 BROWN

Appropriate engineering controls	Provide adequate ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Hygiene measures	When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Dusty powder.
Colour	Brown.
Odour	Odourless.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Pour Point	No information available.
Freezing Point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.

15122 BROWN

Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.

9.2. Other information

Other information	Not determined.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No information available.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Not determined.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

15122 BROWN

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50}) No information available.

Acute toxicity - dermal

Notes (dermal LD_{50}) No information available.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) No information available.

Skin corrosion/irritation

Animal data No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Powder may irritate skin.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

Toxicological information on ingredients.

ALUMINIUM HYDROXIDE

Acute toxicity - oral

15122 BROWN

Notes (oral LD_{50})	No information available.

Acute toxicity - dermal

Notes (dermal LD_{50})	No information available.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	No information available.

Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

Toxicokinetics	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Inhalation	Dust may cause slight irritation. Coughing. Dust in high concentrations may irritate the respiratory system. Mucous membranes
Ingestion	If exposed to large concentrations: Gastrointestinal symptoms, including upset stomach. Nausea, vomiting.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Solid particles trapped behind the eyelid may cause abrasive damage.

IRON HYDROXIDE OXIDE YELLOW

15122 BROWN

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) No specific test data are available.

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Genotoxicity - in vivo No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity - development No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended.

15122 BROWN

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

RED IRON OXIDE

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 10000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) No specific test data are available.

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising. Guinea pig

Germ cell mutagenicity

Genotoxicity - in vitro Ames test: Negative. Chromosome aberration: Negative. OECD 473

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity - fertility This substance has no evidence of toxicity to reproduction.

Reproductive toxicity - development This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

15122 BROWN

Inhalation	Dust in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Shortness of breath. Coughing, chest tightness, feeling of chest pressure.
Ingestion	May cause discomfort if swallowed. Symptoms following overexposure may include the following: Stomach pain. Diarrhoea. Nausea, vomiting.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Particles in the eyes may cause irritation and smarting.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Acute toxicity - oral

Notes (oral LD_{50}) No information available.

Acute toxicity - dermal

Notes (dermal LD_{50}) No information available.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) No information available.

Skin corrosion/irritation

Skin corrosion/irritation No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

15122 BROWN

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Dust may cause slight irritation.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

IRON HYDROXIDE OXIDE YELLOW

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

RED IRON OXIDE

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

Toxicity Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: >10000 mg/l, Fish

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: >10000 mg/l, Daphnia magna

IRON HYDROXIDE OXIDE YELLOW

Toxicity Not considered toxic to fish.

15122 BROWN

Acute aquatic toxicity

Acute toxicity - fish	LC_0, 96 hour: >=10000 mg/l, Brachydanio rerio (Zebra Fish) LC_0, 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: >100 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC_{50}, 3 hours: >1000 mg/l, Activated sludge

RED IRON OXIDE

Toxicity	Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity - fish	LC_0, 96 hour: >=10000 mg/l, Brachydanio rerio (Zebra Fish) LC_{50}, 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe) LC_0, 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: >10000 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC_{50}, 3 hours: >10000 mg/l, Activated sludge

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Toxicity	Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

Persistence and degradability	The product is not biodegradable.

IRON HYDROXIDE OXIDE YELLOW

Persistence and degradability	The product contains only inorganic substances which are not biodegradable.

RED IRON OXIDE

Persistence and degradability	The product contains only inorganic substances which are not biodegradable.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Persistence and degradability	There are no data on the degradability of this product.

12.3. Bioaccumulative potential

15122 BROWN

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient No information available.

IRON HYDROXIDE OXIDE YELLOW

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

RED IRON OXIDE

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient No information available.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is insoluble in water.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

Mobility The product is insoluble in water and will spread on the water surface.

IRON HYDROXIDE OXIDE YELLOW

Mobility The product is insoluble in water.

RED IRON OXIDE

Mobility The product is insoluble in water.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

15122 BROWN

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

IRON HYDROXIDE OXIDE YELLOW

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

RED IRON OXIDE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Ecological information on ingredients.

ALUMINIUM HYDROXIDE

Cod 8g/g

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

IRON HYDROXIDE OXIDE YELLOW

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

RED IRON OXIDE

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

ALUMINIUM, 2-(1,3-DIHYDRO-3-OXO-5-SULFO-2H-INDOL-2-YLIDENE)-2,3-DIHYDRO-3-OXO-1H-INDOLE-5-SULFONIC ACID COMPLEX

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

15122 BROWN

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

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

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

15122 BROWN

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
cATpE: Converted Acute Toxicity Point Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
EC_{50}: 50% of maximal Effective Concentration.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
LOEC: Lowest Observed Effect Concentration.
DMEL: Derived Minimal Effect Level.
EL50: Exposure Limit 50
hPa: Hectopascal
LL50: Lethal Loading fifty
OECD: Organisation for Economic Co-operation and Development
POW: Octanol-water partition coefficient
SCBA: self-contained breathing apparatus
STP: Sewage Treatment Plant
VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Classification procedures according to Regulation (EC) 1272/2008

Not classified.: Calculation method.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

01/04/2023

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