Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

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EUR Version 4.0 - Not Valide Without Verified Date

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

1.1 Product identifier

Product code : DS232R8029
Product name : .PE40 .AG RAL 3016 GL

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

Identified uses : Powder Coating for professional use.

1.3 Details of the supplier of the safety data sheet

Company : Oxyplast Belgium N.V.
Hulsdonk 35, Havennr. 4250 H
B-9042, Gent-Mendonk
Telephone number : +32 9 326 79 20
FAX : +32 9 337 01 59
E-mail : info@oxyplast.be

1.4 Emergency telephone number

Oxyplast: +32 9 326 79 20 (only available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

This preparation is not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP/GHS].

2.2 Label elements

Labelling according to regulation (EC) 1272/2008 (CLP):

Hazard pictogram(s)

No danger Pictogram

Signal word

No signal word

Supplemental label elements

EUH208	Contains Reaction mass of bis (2,3-epoxypropyl) terephthalate and tris (oxiranylmethyl) benzene-1,2,4-tricarboxylate. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Supplemental information : Not applicable.

2.3 Other hazards

No.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substances presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008 [CLP/GHS].

Hazardous ingredient (*)

Components name	Identifiers	Percentage :	Classification according to regulation (EC) No. 1272/2008 [CLP]
Reaction mass of bis (2,3-epoxypropyl) terephthalate and tris (oxiranylmethyl) benzene-1,2,4-tricarboxylate	CAS No.: NA EC-No.: 940-592-6 REACH registration N°: 01-2120065788-39	0.5 - 1 %	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Repr. 2, H361F STOT RE 2, H373 Aquatic Chronic 2, H411

(*) See Section 16 for full text of Hazard statements.

SECTION 4: First aid measures

4.1 Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media :	Alcohol resistant foam, CO2, powders, water spray.
Unsuitable extinguishing media :	inert gas under high pressure (e.g. CO2), water jet.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing dust. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not use a dry brush as dust clouds or static can be created.

6.4 Reference to other sections

Sections 7, 8 and 13.

SECTION 7: Handling and storage

Advice should be taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

7.1 Precautions for safe handling

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Preparation may charge electro statically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area. Comply with the health and safety at work laws.

7.2 Conditions for safe storage, including any incompatibilities

Additional information on storage conditions

Observe label precautions. Store between 5 °C and 25 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Powder Coatings.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Limits for occupational exposure and / or biological limit values

Components name	CAS No.	Exposure guideline
Reaction mass of bis (2,3-epoxypropyl) terephthalate and tris (oxiranylmethyl) benzene-1,2,4-tricarboxylate	NA	DNEL: 0.05 mg/m³ (DNEL) (Dermal) DNEL: 0.025 mg/m³ (DNEL) (Inhalation)

DNEL and PNEC values : See above

Control banding : Not available.

8.2 Exposure controls

Appropriate engineering controls

Avoid inhalation of dusts. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL, suitable respiratory protection must be worn.

Occupational exposure controls

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. For prolonged or repeated handling, use appropriate protective gloves. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, but are not substitutes for full physical protection. They should however not be applied once exposure has occurred.

eye protection

Safety eye-wear should be used when there is a likelihood of exposure.

Skin protection

Personnel should wear protective clothing. Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at neck and wrists through contact with the powder are avoided.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state :	Fine Powder
Colour :	Red
Odour :	None.
Odour threshold :	Not applicable.
pH :	Not applicable.
Melting range :	80 - 110 °C
Initial boiling point and boiling range :	Not applicable.
Flash point :	Not applicable.
Evaporation rate :	Not applicable.
Flammability (solid, gas) :	Not applicable.
Upper/lower flammability or explosive limits :	35 - 70 g/m³
Vapour pressure :	Not applicable.
Vapour density :	Not applicable.
Relative density :	1.2 - 1.9 g/cm³
Solubility(ies) :	Insoluble in water.
Partition coefficient: n-octanol/water :	Not applicable.
Auto-ignition temperature :	>450 °C
Oxidising properties :	Not applicable.

9.2 Other information

Minimum ignition energy : 5 mJ (without inductance)

SECTION 10: Stability and reactivity

10.1 Reactivity

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of

nitrogen.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components name	CAS No.	Exposure guideline
Reaction mass of bis (2,3-epoxypropyl) terephthalate and tris (oxiranylmethyl) benzene-1,2,4-tricarboxylate	NA	LD50/Dermal/Rat: >2000 mg/kg LD50/Oral/Rat: >300 mg/kg

Skin corrosion/irritation :	Not classified.
Serious eye damage/eye irritation :	Not classified.
Skin sensitization :	Not classified.
Respiratory sensitization :	Not classified.
Germ Cell Mutagenicity :	Not classified.
Carcinogenicity :	Not classified.
Developmental toxicity :	Not classified.
Specific Target Organ Toxicity, Single Exposure :	Not classified.
Specific Target Organ Toxicity, Repeated Exposure :	Not classified.
Aspiration hazard :	Not classified.

SECTION 12: Ecological information

There are no data available on the mixture itself. Coatings powder residues should not be allowed to enter drains or water courses or be deposited where they can affect ground or surface waters.

12.2 Toxicity

No data available.

12.3 Persistence and degradability

No data available.

12.4 Bioaccumulative potential

No data available.

12.5 Mobility in soil

No data available.

12.6 Results of PBT and vPvB assessment

No data available.

12.7 Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not allow to enter drains or water courses. The European Waste Catalogue classification of this product, when disposed of as waste, is Waste Code: Powder coatings: 08 02 01 (according to Directive 2000/532/EC): If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information contact your local waste authority. Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: Transport information

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not available.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

IMDG code

Marine pollutant : Not applicable.

Marine pollutant substance : Not applicable.

14.6 Special precautions for user

Transport within the 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 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Additional information for transport in accordance with IMDG, ADR/RID and ICAO/IATA

IMDG code

Emergency schedule number : Not applicable.

Viscous substances up to 30 litre packs : Not applicable.

ADR/RID (additional information)

Viscous substances up to 450 litre packs : Not applicable.

ICAO/IATA (additional information)

Viscous substances : Not applicable.

The "viscosity exemption" provision does not apply to air transport.

SECTION 15: Regulatory information

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

The information in this safety data sheet is required pursuant to Directive 1907/2006/EG or Directive 1272/2008/EG.

Other requirements, restrictions and ban regulations : Not applicable.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

16.1 Full text of hazard statements appearing in section 3

Hazard statement(s)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361F	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Further information

The details in this material safety data sheet satisfy national and EU legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.