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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Identifier

Trade Name : Coral 250R
 Relevant identified uses of the substance or mixture : Colouring agent
 Uses advised against : Not known

2. HAZARD IDENTIFICATION

Classification of the Substance or Mixture

According to Regulation (EC) No. 1272/2008 (CLP) : Not classified
 According to Directive 67/548/EEC & Directive 1999/45/EC : Not classified
 Additional information : Not available

Label Elements

GHS label elements : Not applicable
 Hazard pictogram (s) : Not applicable
 Signal word (s) : Not applicable
 Hazard statement (s) : Not applicable
 Precautionary statement (s) : Not applicable
 Other hazards : Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical family : Polyurethane-11, Red 28.
 Contains no hazardous ingredients.

| Common chemical Name | CAS No. | EINECS No. | Colour Index (CI) | Chemical composition | Hazard classification according to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP) |
|----------------------|------------|------------|-------------------|----------------------|---|
| Polyurethane-11 | 68258-82-2 | | | 98-99 | Not classified |
| Red 28 | 18472-87-2 | 242-355-6 | 45410 | 1-2 | Not classified |

4. FIRST AID MEASURES

Description of First Aid Measures

Inhalation in case of accident by inhalation : Remove casualty to fresh air and keep at rest
 Eye contact : If contact with eyes directly, flush with gently flowing fresh water thoroughly. If eye irritation persists, get medical advice/attention.
 Ingestion : If ingested, wash out mouth with water, drink milk or egg white
 Note to physician : No special measures are required
Most important systems and effects
 Both acute and delayed
 Acute : None
 Long term (repeated) : May cause irritation to the respiratory system. Cough. Increased difficulty in breathing.
Indication of immediate medical attention and special treatment needed
 Recommended : a. Chest X-Ray
 b. Lung functionality test

5. FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media : Extinguish with water spray, foam or dry Powder extinguisher
 Unsuitable extinguishing media : Carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : Non-combustible. None anticipated.
 Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : Do not breath dust
 Personal protection equipment : Wear appropriate personal protective equipment, avoid direct contact
 In case of emergency : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
 Environmental precautions : Do not allow to enter drains, sewers or water courses
 Methods and materials for containment and cleaning up : Collect mechanically and dispose according to Section 13. Use vacuum equipment for collecting split materials, where practicable
 Reference to other sections : See section 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : Avoid breathing dust
 Conditions for safe storage including any incompatibilities : Keep container in a well ventilated place
 Specific end uses (s) : Not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : Provide adequate ventilation when using the material and follow the principle of good occupational hygiene to control personal exposure

Exposure limit values : Not known

Exposure controls

Appropriate engineering controls : Provide adequate ventilation to ensure the occupational exposure limit is not exceeded. Isolate the dispersive process, step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protection measures such as personal protective equipment (PPE)

Hand/eye/face protection : Wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles give complete protection to eyes. Dust mask covering nose and mouth.

Skin protection : Apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : Dust mask covering nose and mouth

Thermal hazards : None

Environment exposure controls : Avoid dust generation. Avoid accumulation of dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder

Colour : Coral

Odour : Odourless

pH : Not applicable

Freezing Point °C : Not applicable

Specific gravity : 1.3

Softening point : 270-280 deg C

Vapour pressure : Not applicable

Solubility (in water) : Insoluble

Particle size : 1-2 µm

10. STABILITY AND REACTIVITY

Reactivity : There may be violent or incandescent reaction of the product with metals at high temperatures (e.g. aluminum, calcium, magnesium, potassium, sodium, zinc, lithium)

Chemical stability : Stable under normal conditions

Possibility of hazardous reactions : None

Conditions to avoid : High temperature

Incompatible materials : Strongly acidic, strongly alkaline, oxidising agents

Decomposition products : No information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically non-toxic.

Acute toxicity : Not available

Carcinogenicity : Not available

12. ECOLOGICAL INFORMATION

Toxicity : No data

Persistence and degradability : Insoluble in water. This product is predicted not to degrade in soil and water.

Bio-accumulative potential : No data

Mobility in soil : Not applicable

Results of PBT and vPvB assessment : Not applicable

Other adverse effects : Not known

13. DISPOSAL CONSIDERATION

Waste treatment methods : Dispose of contents in accordance with local state or national legislation

14. TRANSPORT INFORMATION

Not classed as dangerous for transport

| International Transport Regulations | ADR/RID | AND | IMDG | ICAO / IATA |
|--|----------------------------|-------|-------|-------------|
| UN Number | N/A applicable | N/App | N/App | N/App |
| Proper shipping name | N/A applicable | N/App | N/App | N/App |
| Transport hazard class(es) | N/A applicable | N/App | N/App | N/App |
| Packing group | N/A applicable | N/App | N/App | N/App |
| Environmental hazards | None | None | None | None |
| Special precautions for user | None | None | None | None |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | N/A | N/A | None | None |
| Hazard label(s) | Not Applicable | | | |
| Additional information | Custom tariff No. 32061900 | | | |

15. REGULATORY INFORMATION

According to Directive 67/548/EEC & Directive 1999/45/EC : Not classified as dangerous for supply/use

Safety, health and environmental regulations/legislations specific for the substance or mixture : Not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSADS)

ADR : European Agreement concerning international carriage of Dangerous goods by road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organisation

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001
Book on "Safe Handling of Pigments", European Edition 1995, BCM A, EPSOM ETAD, VdM i
HSD B
NIOSH ICSC
Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

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