According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010 Date of issue: 07.09.2011 – Version: EU\_EN/2 – Print date : February 2018

**Material Safety Data Sheet**

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

# Product Identifier

Trade name : Cellulose Silver Zodiac KT-D9002-008 Relevant identified uses of the substance

or mixture and uses advised against : colouring agent

Uses advised against : not known Details of the supplier of the safety

Auroradyz

16 Pasture Road

Moreton Wirral

CH46 7TH

data sheet

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 known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family: microcrystalline Cellulose -glycerine-aqua -acrylates cross polymer-aluminum.Contains no hazardous ingredients

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Commen chemical name | CAS No. | EINECS  No. | Colour Index | Chemical composition | Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC)  No. 1272/2008(CLP) |
| Microcrystalline Cellulose | 9004-34-6 | 232-674-9 |  | 70.00 | Not classified |
| Glycerine | 56-81-5 | 200-289-5 |  | 21.00 | Not classified |
| Aqua | 7732-18-5 |  |  | 5.00 | Not classified |
| Acrylates Cross polymer | 25133-97-5 |  |  | 3.98 | Not classified |
| Aluminum | 7429-90-5 | 231-072-3 | 77000 | 0.02 | Not classified |

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4. FIRST AID MEASURES

# Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest Skin contact : wash affected skin with plenty of water

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

Notes to physician : no special measures are required

# Most important systems and effects,

Both acute and delayed

Actue : 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 tests

5. FIREFIGHTING MEASURES

# Extinguishing media

Suitable extinguishing media : extinguish with water spray, foam or dry chemical Unsuitable extinguishing media : carbon dioxide

# Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. 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 breathe 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 watercourses Methods and material for

Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

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Reference to other sections : see sections 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 use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

# Exposure controls

Appropriate engineering controls: provide adequate ventilation to ensure that 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 protections 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 giving 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

Environmental exposure controls: avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Flakes

Colour : Silver

Odour : Faint, Characteristic

pH : not applicable

Boiling point, °C : not applicable

Melting point, °C : not applicable

Freezing point, °C : not applicable Decomposition Temperature :400F

Bulk density : 3.8 lbs/gallon

Vapour pressure : not applicable

Specific Gravity :1.4

Solubility (in water) : Slight in Water and Solvent, Hydrophilic Compound Particle size 008

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10. STABILITY AND REACTIVITY

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

Chemical stability : stable under normal conditions Possibility of hazardous reactions : none

Conditions to avoid : Excessive heat or flame

Incompatible materials : strongly acidic, strongly alkaline, oxidizing agents Decomposition products : no information available

11. TOXICOLOGICAL INFORMATION

# Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic. Acute toxicity : not available

Carcinogenicity : not available

12. ECOLOGICAL INFORMATION

Toxicity : no data

Bioaccumulative potential : no data

Mobility : Degrades quickly in tap water. Results of PBT and vPvB assessment: not applicable

Other adverse effects : not known

13. DISPOSAL CONSIDERATIONS

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** | **ADN** | **IMDG** | **ICAO/IATA** |
| UN number | Not applicable | Not applicable | Not applicable | Not applicable |
| Proper shipping name | Not applicable | Not applicable | Not applicable | Not applicable |
| Transport hazard class(es) | Not applicable | Not applicable | Not applicable | Not applicable |
| Packing group | Not applicable | Not applicable | Not applicable | Not applicable |
| Environmental hazards | None | None | None | None |
| Special precautions for user | None | None | None | None |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code | Not applicable | Not applicable | Not applicable | Not applicable |
| 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 (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road CAS : Chemical Abstracts Service

EC : European Community

ICAO: International Civil Aviation Organization 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, BCMA, EPSOM ETAD, VdMi HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

We have described our product concerning possible safety requirements by the abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties