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

1.1. Product identifier
   
   Trade name
   Permanent Lake Red LCYT-CN
   
   Material number: 166961

1.2. Relevant identified uses of the substance or mixture and uses advised against
   
   Relevant identified uses of the substance or mixture
   Industry sector : Industrial Performance Chemicals
                   Paints, lacquers and varnishes industry
                   Polymers industry
                   Printing Inks Industry
   Type of use : Colorant/organic pigment

1.3. Details of the supplier of the safety data sheet
   
   Identification of the company
   Clariant Produkte (Deutschland) GmbH
   Brueningstr. 50
   65929 Frankfurt am Main
   Telephone no. : +49 6196 757 60
   
   Information about the substance/mixture
   Division Pigments & Additives
   +49 6196 757 6152/ 6120
   e-mail: PA.PSAZO@clariant.com

1.4. Emergency telephone number
   
   00800-5121 5121  (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.2. Label elements
   
   Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)
   The product does not require classification and labelling as hazardous according to CLP/GHS.

2.3. Other hazards
   
   According to the present state of knowledge provided this product is handled correctly, there
   is no danger to humans or the environment
   Organic substances in powder form may have the potential to cause dust explosions.
SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization
C.I. Pigment Red 53:1

EC number: 225-935-3

Section 4: First aid measures

4.1. Description of first aid measures

General information
Seek medical assistance if discomfort continues

After inhalation
Remove the casualty into fresh air and keep him calm.

After contact with skin
In case of contact with skin, clean with soap and water.

After contact with eyes
Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

After ingestion
If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

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

Symptoms
No symptoms known currently.

Hazards
No hazards known at this time.

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

Treatment
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
water spray jet
foam
Extinguishing media that must not be used for safety reasons
- Full water jet
- Carbon dioxide
- Dry powder

5.2. Special hazards arising from the substance or mixture
In case of fires, hazardous combustion gases are formed:
- Carbon monoxide (CO)
- Carbon dioxide (CO2)
- Nitrogen oxides (NOx)
- Sulphur dioxide (SO2)
- Hydrogen chloride (HCl)

5.3. Advice for firefighters
Special protective equipment for firefighting
- Use self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear suitable personal protective equipment.

6.2. Environmental precautions
Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up
Take up mechanically
Avoid dust formation and electrical charging (sparking) because dust explosion might occur.
When picked up, treat material as prescribed under heading “Disposal”.

6.4. Reference to other sections
Additional information
Information regarding Safe handling, see chapter 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
When used and handled appropriately no special measures are needed
Avoid dust formation.

Advice on protection against fire and explosion
Take precautionary measures against electrostatic charges - earthing necessary during loading operations.
Keep away from sources of ignition
Dust can form an explosive mixture with air.
7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions
- Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.
- Keep away from sources of ignition.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values
- Exposure limit values are not available.

DNEL/DMEL values
- DNEL/DMEL values are not available.

PNEC values
- PNEC values are not available.

8.2. Exposure controls

General protective measures
- Observe the usual precautions for handling chemicals.

Hygiene measures
- Wash hands before breaks and after work.
- Use barrier skin cream.
- Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Respiratory protection:
- Wear dust mask when handling large quantities

Hand protection:
- Nitrile rubber gloves.
- Minimum breakthrough time (glove): not determined
- Minimum thickness (glove): not determined
- Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements

Eye protection:
- safety glasses

Body protection:
- working clothes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:
- Powder

Colour:
- red

Odour:
- not specified

pH value:
- 5.0 - 8.0
Melting point (decomposition) : Applies to pigments - No melting point up to the decomposition temperature.
Flash point : Not applicable
Evaporation rate : not tested.

Flammability
  Combustion number : BZ3 Local combustion without spreading
  Source : Testing Clariant

Vapour pressure : Not applicable
Solubility in water : 2 mg/l (25 °C)
The data refer to the colourant
Soluble in ... : 1-octanol approx. 1 mg/l (25 °C)
The data refer to the colourant

Octanol/water partition coefficient (log Pow) : Not determined

Ignition temperature : not tested.
Self-ignition temperature : > 220 °C
  Source : Testing Clariant

Thermal decomposition : > 310 °C
  Source : Testing Clariant

Viscosity (dynamic) : Not applicable
Oxidizing properties : not tested.

9.2. Other information
Density : 1.7 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity
  See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability
  Stable.

10.3. Possibility of hazardous reactions
  When handled and stored appropriately no dangerous reactions are known

10.4. Conditions to avoid
  None known.

10.5. Incompatible materials
not known

10.6. Hazardous decomposition products

When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:  
LD50 > 2.000 mg/kg (rat (female))
Method: OECD 423
Test conducted with a similar formulation.

Acute dermal toxicity:  
not tested.

Acute inhalation toxicity:  
not tested.

Irritant effect on skin:  
non-irritant

Irritant effect on eyes:  
non-irritant

Sensitization:  
not tested.

Repeated dose toxicity:  
not tested.

Assessment of mutagenicity:  
not tested.

Assessment of carcinogenicity:  
not tested.

Assessment of toxicity to reproduction:  
not tested.

Remarks

The product has not been tested. The information is derived from the properties of the individual components.
In animal experiments daily oral ingestion of very high doses (150 mg/kg body weight, rat) of C.1. Pigment Red 53:1 for several months caused enlargement of the spleen. No adverse effects are to be expected to humans under conditions of good working practice (BUA-report No. 124. 1993).

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity:  
not tested.

Daphnia toxicity:  
not tested.

Algae toxicity:  
not tested.

Bacteria toxicity:  
not tested.

12.2. Persistence and degradability
Biodegradability: Pigments are highly stable in accordance with the specifications and therefore only slightly biodegradable in the conditions of sewage treatment plants or surface waters.

12.3. Bioaccumulative potential

Bioaccumulation: not tested.

12.4. Mobility in soil

Behaviour in environmental compartments
No known data.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Additional ecotoxicological remarks
No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product
Product should be be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Uncleaned packaging
Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR not restricted
ADNR not restricted
RID not restricted
IATA not restricted
IMDG not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

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

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations
Apart from the data/regulations specified in this chapter, no further information is available concerning safety-, health- and environmental protection.

15.2. Chemical safety assessment
No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm3" means "one point three five g/cm3").

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