

PHOSPHORUS ACID CRYSTALS 98% LR VERSION : 03 DATE OF ISSUE :31-01-2022 SUPERSEDES : 02 Page 1 of 10

Product Code : 16845

1. Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Trade name : PHOSPHORUS ACID CRYSTALS 98% LR Product code : 16845 Identification of the product : PHOSPHORUS ACID CRYSTALS 98% LR CAS No: 13598-36-2 1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only. **1.3.** Details of the supplier of the safety data sheet **Company identification : MOLYCHEM** Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email: info@molychem.net Works: Plot No./9, Badlapur M.I.D.C., OPP. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503 2. Hazards identification 2.1. Classification of the substance or mixture Classification according to Directive 67/548/EEC or 1999/45/EC Xn: R22 C: R35 **2.2.** Label elements Labelling according to Directive 67/548/EEC or 1999/45/EC Hazard symbols : C – Corrosive **R-phrases** : R22 - Harmful if swallowed R35 - Causes severe burns **S-phrases**: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) **2.3. Other hazards** No additional information available **3.** Composition/information on ingredients 3.1. Substance MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : info@molylchem.net Works: Plot No./9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,

Kulgaon, Badlapur (E), Dist.-Thane-421 503



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Not applicable

3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

4. First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Do

NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries : Causes severe skin burns and eye damage.

Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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6.1.1. For non-emergency personnel Emergency procedures : Evacuate unneco 6.1.2. For emergency responders	
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Emergency procedures : Evacuate unnece 6.1.2. For emergency responders Protective equipment : Use personal prote Emergency procedures : Ventilate area. 6.2. Environmental precautions Avoid release to the environment.	ective equipment as required. ent and cleaning up

handling. 7.2. Conditions for safe storage, including any incompatibilities

Hygiene measures : Do not eat, drink or smoke when using this product. Wash ...

Precautions for safe handling : Do not breathe dust/fume/gas/mist/vapours/spray.

Technical measures : Comply with applicable regulations. **Storage conditions :** Store in original container. Keep container tightly closed. Store in a

dry place.

Protect from moisture.

Avoid contact during pregnancy/while nursing.

thoroughly after

7.3. Specific end use(s)

No additional information available

7.1. Precautions for safe handling

8. Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

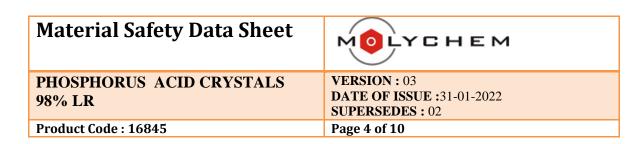
Hand protection : protective gloves

Eye protection : Chemical goggles or face shield

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

<u>9. Physical and chemical properties</u>9.1. Information on basic physical and chemical properties



Physical state : Solid
Molecular mass : 82 g/mol
Colour : Colorless crystals.
Odour : odourless.
Odour threshold : No data available
pH : 1
Relative evaporation rate (butylacetate=1) : No data available
Melting point : 730 °C
Freezing point : No data available
Boiling point : 2000 °C
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : < 1 hPa at 20°C
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.651 g/cm ³
Solubility : Water: Soluble in water
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available
9.2. Other information
No additional information available
10. Stability and reactivity
10.1. Reactivity
Thermal decomposition generates : Corrosive vapours.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
Direct sunlight. Air contact. Moisture.
10.5. Incompatible materials
No additional information available

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10.6. Hazardous decomposition products Thermal decomposition generates : Corrosive vapours.		
	ve vapours.	

Acute toxicity : Harmful if swallowed. Irritation : Not classified pH: 1 Corrosivity : Causes severe burns. pH: 1 Sensitisation : Not classified Repeated dose toxicity : Not classified Carcinogenicity : Not classified Matematical dose toxicity in the second dose toxicity is not classified

Mutagenicity : Not classified

Toxicity for reproduction : Not classified

Potential adverse human health effects and symptoms : Harmful if swallowed.

12. Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

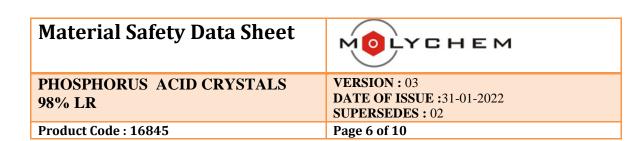
No additional information available

12.6. Other adverse effects

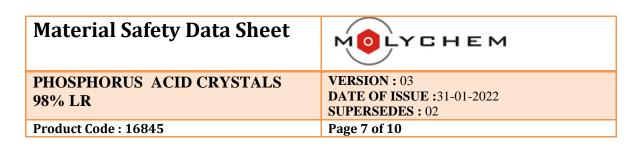
No additional information available

<u>13. Disposal considerations</u>
 <u>13.1. Waste treatment methods</u>
 <u>Product/Packaging disposal recommendations</u>: Dispose of contents/container to ...

<u>14. Transport information</u> In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) : 2834



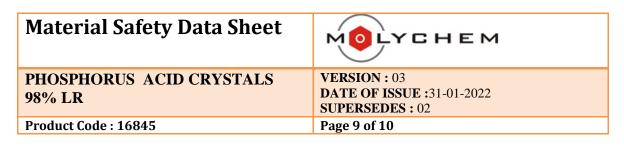
UN-No. (IMDG) : 2834 UN-No.(IATA): 2834 **UN-No.(ADN)**: 2834 **UN-No. (RID) : 2834** 14.2. UN proper shipping name **Proper Shipping Name (ADR) :** PHOSPHOROUS ACID Proper Shipping Name (IMDG) : PHOSPHOROUS ACID **Proper Shipping Name (IATA) : PHOSPHOROUS ACID Proper Shipping Name (ADN) : PHOSPHOROUS ACID Proper Shipping Name (RID) : PHOSPHOROUS ACID** Transport document description (ADR) : UN 2834 PHOSPHOROUS ACID, 8, III, (E) Transport document description (IMDG): UN 2834 PHOSPHOROUS ACID, 8, III Transport document description (IATA) : UN 2834 PHOSPHOROUS ACID, 8, III Transport document description (ADN): UN 2834 PHOSPHOROUS ACID, 8, III Transport document description (RID): UN 2834 PHOSPHOROUS ACID, 8, III **14.3.** Transport hazard class(es) ADR Transport hazard class(es) (ADR): 8 Danger labels (ADR): 8 IMDG Transport hazard class(es) (IMDG): 8 Danger labels (IMDG): 8 : ΙΑΤΑ Transport hazard class(es) (IATA): 8 Hazard labels (IATA): 8 • ADN Transport hazard class(es) (ADN): 8 Danger labels (ADN): 8 : RID Transport hazard class(es) (RID): 8 **Danger labels (RID):**8 14.4. Packing group Packing group (ADR) : III Packing group (IMDG) : III Packing group (IATA) : III



Packing group (ADN) : III Packing group (RID) : III 14.5. Environmental hazards Dangerous for the environment : No Marine pollutant : No **Other information :** No supplementary information available 14.6. Special precautions for user - Overland transport Classification code (ADR) : C2 Limited quantities (ADR) : 5kg Excepted quantities (ADR) : E1 Packing instructions (ADR): P002, IBC08, LP02, R001 Special packing provisions (ADR) : B3 Mixed packing provisions (ADR) : MP10 Portable tank and bulk container instructions (ADR) : T1 Portable tank and bulk container special provisions (ADR) : TP33 Tank code (ADR) : SGAV Vehicle for tank carriage : AT Transport category (ADR): 3 Special provisions for carriage – Bulk (ADR) : VC1, VC2, AP7 Hazard identification number (Kemler No.): 80 **Orange plates : Tunnel restriction code (ADR) : E** EAC code : 2X - Transport by sea Limited quantities (IMDG) : 5 kg Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P002, LP02 **IBC packing instructions (IMDG) : IBC08 IBC special provisions (IMDG) : B3** Tank instructions (IMDG) : T1 Tank special provisions (IMDG) : TP33 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-B Stowage category (IMDG) : A Stowage and handling (IMDG) : SW1 **MFAG-No:**154 - Air transport PCA Excepted quantities (IATA) : E1

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PCA Limited quantities (IATA) : Y845 PCA limited quantity max net quantity (IATA) : 5kg PCA packing instructions (IATA): 860 PCA max net quantity (IATA): 25kg CAO packing instructions (IATA): 864 CAO max net quantity (IATA) : 100kg ERG code (IATA) : 8L - Inland waterway transport **Classification code (ADN) : C2 Limited quantities (ADN) :** 5 kg Excepted quantities (ADN) : E1 Equipment required (ADN) : PP, EP Number of blue cones/lights (ADN) : 0 - Rail transport **Classification code (RID) :** C2 Limited quantities (RID): 5kg Excepted quantities (RID) : E1 Packing instructions (RID): P002, IBC08, LP02, R001 Special packing provisions (RID) : B3 Mixed packing provisions (RID) : MP10 Portable tank and bulk container instructions (RID) : T1 Portable tank and bulk container special provisions (RID) : TP33 Tank codes for RID tanks (RID) : SGAV Transport category (RID): 3 Special provisions for carriage – Bulk (RID) : VW9 Colis express (express parcels) (RID) : CE11 Hazard identification number (RID): 80 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable **15. Regulatory information** 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture **15.1.1. EU-Regulations** Contains no substances with Annex XVII restrictions Contains no REACH candidate substance Contains no REACH Annex XIV substances. **15.1.2.** National regulations Germany



12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

Sources of key data used : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

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End of document Prepared by: MOLYCHEM (INDIA)

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