



C.T.S. S.R.L.

Via Piave, 20/22 - 36077 **Altavilla Vicentina (VI) - Italy**
Tel. +39 0444 349088 - Fax +39 0444 349039
www.ctseurope.com - cts.italia@ctseurope.com



Milano
Via A.F. Stella, 5 - 20125
Tel. +39 02 67493225
Fax +39 02 67493233
cts.milano@ctseurope.com

Firenze
Via L. Gordiniani, 54 - 50127
Tel. +39 055 3245014
Fax +39 055 3245078
cts.firenze@ctseurope.com

Roma
Via G. Fantoli, 26 - 00149
Tel. +39 06 55301779
Fax +39 06 5592691
cts.roma@ctseurope.com

Napoli
Via delle Puglie, 228 int.4 - 80143
Tel. +39 081 7592971
Fax +39 081 7593118
cts.napoli@ctseurope.com

MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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

Product name: **MICROCRYSTALLINE WAX C80**

Product code: **01109501-04-25**

Revision date: **13/05/2011**

Distributor: **C.T.S. S.r.l. – Via Piave N 20/22 - 36077 ALTAVILLA VICENTINA (VI) - ITALY**
TEL +39 0444 349088 FAX +39 0444 349039 E-mail: cts.italia@ctseurope.com

Emergency telephone number: **+39 0444 349088**

2. HAZARDS IDENTIFICATIONS:

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment: Warning! Hot melt.

Label elements

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical characterization: Substances

CAS No. Description

CAS: 63231-60-7 Paraffin waxes and Hydrocarbon waxes, microcryst.

EINECS: 264-038-1

Chemical characterization: Mixtures

Description: Mixture

Dangerous components: Void

4. FIRST AID MEASURES

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: After contact with the molten product, cool rapidly with cold water.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.



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5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

CO₂, sand, extinguishing powder. Do not use water. Foam

For safety reasons unsuitable extinguishing agents: Water

Advice for firefighters

Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Particular danger of slipping on leaked/spilled product.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections: No dangerous substances are released.

7. HANDLING AND STORAGE

Handling:

Precautions for safe handling: No special measures required.

Information about fire - and explosion protection: Fumes can combine with air to form an explosive mixture.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Solid:

Store in a cool place.

Store in dry conditions.

Protect from exposure to the light.

Storage class: 11

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

8002-74-2 Paraffin waxes and hydrocarbon waxes (2.5-10%)

WEL Short-term value: 6 mg/m³

Long-term value: 2 mg/m³

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands:

The glove material has to be impermeable and resist ant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.



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SINCERT



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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form: solid

Colour: Whitish

Odour: Odourless

Odour threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Congealing point: 83-94 °C

Flash point: > 200 °C

Flammability (solid, gaseous): Not determined.

Ignition temperature:

Decomposition temperature: Not determined.

Self-igniting: Product is not self igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Wax dust / powder
> 15 g/m³

Upper: Wax dust / powder:
> 1000 g/m³

Vapour pressure: Not applicable.

Density: Not determined.

Relative density: Not determined.

Vapour density: Not applicable.

Evaporation rate: Not applicable

Solubility in / Miscibility with water: Insoluble.

Segregation coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not applicable.

Kinematic: (120 °C) 8,5-12,5 mm²/s

Other information: No further relevant information available

10. STABILITY AND REACTIVITY:

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.



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11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12. ECOLOGICAL INFORMATION

Toxicity

Acquatic toxicity: No further relevant information available.

Persistence and degradability The product is not easily, but potentially degradable.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATION

Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.

European waste catalogue

05 01 06* oily sludges from maintenance operations of the plant or equipment

07 01 99 wastes not otherwise specified

12 01 12* spent waxes and fats

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

Products < 100°C **are no hazardous goods** / class 9 does not apply

Products > 100° C are hazardous goods /class 9 / PG III / UN 3257

LAND TRANSPORT ADR/RID (CROSS-BORDER)

ADR/RID class: 9 Miscellaneous dangerous substances and articles.

Danger code (Kemler): 99

UN-Number: 3257

Packaging group: III

Hazard label: 9

UN proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S.

Tunnel restriction code: D



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MARITIME TRANSPORT IMDG:

IMDG Class: 9

UN Number: 3257

Label 9

EMS Number: F-A,S-P

Marine pollutant: No

Proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S.

Remarks: Products < 100°C are no hazardous goods / class 9 does not apply.

AIR TRANSPORT ICAO-TI AND IATA-DGR:

ICAO/IATA Class: -

Remarks: Carriage by air of heated fluid product is not expected.

Special precautions for user Warning: Miscellaneous dangerous substances and articles.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

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

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.