



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

1.1 Product identifier

Tradename:	Kester wax K82D	Product reference(s) no: E00031
INCI Name (EU / CTFA):	DI-C20-40 Alkyl Dimer Dillnoleate	DI-C20-40 Alkyl Dimer Dillnoleate
IUPAC name	DI-C20-40 Alkyl Dimer Dillnoleate	
Reach (pre)-registration number	Polymer exempt, no REACH obligations	

1.2 Relevant identified uses of the substance or mixture and uses advised against
Ingredient for cosmetic/pharmaceutical/industrial and/or food manufacturers

1.3 Details of the supplier of the safety data sheet

Koster Keunen Holland bv
Postbox 53
5530 AB Bladel
The Netherlands
Telephone number: +31 497 361010
Drs. A.W. Peters Rit
petersrit@koster-wax.com
<http://www.koster-wax.com>

1.4 Emergency telephone number: +31 497 361010 *only available at office hours*

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture

Kester wax K82D	Not a hazardous substance/mixture	<i>An MSDS is a legal document. It is NOT required for non-hazardous substances/mixtures.</i>
Classification according (EG) 1272/2008 (CLP/GHS)	Not classified	
Classification according 67/548/EEC, 1999/45/EG	Not classified	

2.2 Label elements

Hazard pictograms:	None
Signal Word:	None
Product identifiers:	Kester wax K82D
Hazard statements:	This product does not require a hazard warning in accordance with EC directives.
Precautionary statements - Prevention:	P280: Wear protective gloves/protective clothing/eye protection/face protection
Precautionary statements - Response:	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P302+334: IF ON SKIN (HOT PRODUCT): Immerse in lukewarm water/wrap in wet bandages P333+313: If skin irritation or a rash occurs: Get medical advice/attention
Precautionary statements - Storage:	P403 + P233: Store in a well-ventilated place. Keep container tightly closed
Precautionary statements - Disposal:	P501: Dispose of contents/container at a disposal facility in accordance with local regulations
1999/45/EC)	Not classified
Risk phrases:	- / R: -
Safety phrases:	-

2.3 Other Hazards: None

SECTION 3. Composition/Information on Ingredients

3.1 Substances

No substances fulfil the criteria set forth in Annex II section A of the REACH regulation (EC) N° 1907/2006

Chemical Characterisation:

Kester Wax K82D is the esterification product of long chain synthetic fatty alcohols and dimer acid.

3.2 Mixtures

Ingredient	CAS-no. / EC	Percentage	Symbol / risks
Fatty acids, C18-unsatd, dimer, C20-C32-alkyl esters	68476-00-6 / Polymer excluded	100	- / R: -

SECTION 4. First-aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor. Never induce swallowing in an unconscious person.

4.1 Description of first aid measures

Skin contact:

After skin contact with the molten product cool rapidly with cold water. Do not remove clothing (clothing may stick to the skin). Do not peel off the solidified product of the skin. Treat burns. This products is not absorbed by the skin and causes no irritation.

Ingestion:

This is a non-toxic product.

Inhalation:

Inhalation of vapour from (over)heated product should be avoided. Escort victim into the fresh air as soon as possible and let rest.

Eye contact:

After eye contact with hot, molten wax cool with cold water. In case of eye-sight disturbances bring victim to hospital immediately, otherwise consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available, no reason for concern

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. Fire fighting measures

5.1 Extinguishing media:

Suitable methods of extinction: Foam, powder, water spray, carbon dioxide
 Unsuitable methods of extinction: Do not use a heavy water stream

5.2 Special hazards arising from the substance or mixture

Special exposure hazards: Thermal decomposition generates: carbon oxides, irritating volatile organic compounds.

5.3 Advice for firefighters

Protection against fire: Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.
Special procedures: Protect container with water spray.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

6.2 Environmental precautions: Prevent entry to sewers and public waters (prevent clogging).

6.3 Methods and material for containment and cleaning up:

The spilled molten product solidifies and can be mechanically removed. This product is not a hazardous waste.

6.4 Reference to other sections: No data available

SECTION 7. Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1 Precautions for safe handling: For personal protection, see section 4 and 8

7.2 Conditions for safe storage including any incompatibilities

Normal storage, preferably in cool areas. Do not expose to direct sunlight. Normal handling of slabs, pastilles or granulate. Not irritating.

7.3 Specific end use(s)

No data available

Information on fire- and explosion protection:

The normal rules of fire and explosion protection apply.

SECTION 8. Exposure controls/personal protection

General precautions:

Wear protective glasses (EN166), insulating gloves EN 407 and clothing when working with molten product.

Avoid eye and skin contact with molten products.

8.1 Control parameters

No exposure limits assigned for this product or any of its components

8.2 Exposure controls

Use personal protective equipment that is clean and has been properly maintained.
Never eat, drink or smoke during use. Ensure that there is adequate ventilation, especially in confined areas.
Avoid contact with eyes, wear safety goggles and protect the face. Use suitable gloves (standard EN374).



Hygienic measures:

Respect the usual precautions for working with chemicals.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: solid (pastilles)
Colour: light yellow
Odour: typical odour

Safety related information:

Congeaing point (°C) approx. 78 - 84
Density at 20°C (g/cm³) Approx. 0.88
Density at 80°C (g/cm³) na data

Solubility:

Solubility in water insoluble
Solubility in fat soluble

pH-value: not applicable
Viscosity at 100°C (mPa.s)
Acid value (mg KOH/g) < 5
Flashpoint (°C) approx. 275

9.2 Other information

No data available

SECTION 10. Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.
Decomposition temperature (°C) approx. 200

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, UV-light, oxidizing agents

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products:

Irritating gases when overheated; avoid overheating

SECTION 11. Toxicological Information

11.1 Information on toxicological effects

Acute oral toxicity (LD50): Not toxic

Skin irritation: not irritating

Eye irritation: not irritating

Residual solvents: -

SECTION 12. Ecological Information

12.1 Toxicity Not toxic for the aquatic environment

12.2 Persistence and degradability Biologically degradable without harmful residues.

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment No data available

12.6 Other adverse effects No data available

German regulations concerning the classification of hazards to water (WGK):
WGK 1 Slightly hazardous to water

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

Product:

Dispose of in accordance with local/national regulations. It is not a dangerous waste material. Do not pour into drains or waterways.

Waste name:

Manufacturing waste of plastic manufacturing and production.

Container disposal:

Containers which are not cleaned are to be handled as the product.
Completely emptied containers can be disposed of as normal refuse.

SECTION 14. Transport Information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: - IMDG: - IATA: -

14.3 Transport hazards class(es)

Landtransport

ADR *Not classified. It is not a dangerous substance*
GGVS *Not classified. It is not a dangerous substance*
RID *Not classified. It is not a dangerous substance*
GGVE *Not classified. It is not a dangerous substance*

Inland waterways

ADNR *Not classified. It is not a dangerous substance*

Sea transport

IMDG/GGVSee *Not classified. It is not a dangerous substance*
EmS MFAG
Technical name

Air transport

ICAO/IATA-DGR *Not classified. It is not a dangerous substance*

14.4 Packing group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: No IMDG: No IATA: No

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15. Regulatory Information

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

Particular provisions: No data available
German regulations (WGK) WGK 1

15.2 Chemical safety assessment

No data available

SECTION 16. Other Information

Remarks on MSDS : -

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief of Koster Keunen BV at the date of its printing.
The product should not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.