

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the

Name 6035 Stearic Acid

## 2. Composition / Information on

Chemical Name and Synonyms C18H36O2

Chemical Family

CAS Number 57-11-4

EINECS Number 200-313-4

List of Dangerous Ingredients None.

## 3. Hazard Identification

Inhalation Mist or fumes may cause irritation or coughing.

Eyes Harmless when cold, heated wax may cause burns.

Skin Harmless to skin when cold, heated wax may cause burns.

Ingestion Harmless if swallowed in small doses, but larger amounts may cause nausea and diarrhoea. Low order of toxicity.

## 4. First Aid Measures

Inhalation Remove to fresh air. Obtain medical attention if symptoms persist.

Eyes Cold wax. Wash eyes thoroughly with water. Heated wax. Rinse with cool water to dissipate heat, do not try to remove wax. Obtain prompt medical attention.

Skin Cold wax. Wash with soap, hand cleaner and water. Hot wax. Flush skin with cold water to cool as quickly as possible. Cover with clean cotton or gauze. Do not attempt to remove wax from a burn as this can result in tissue loss. Obtain prompt medical attention.

Ingestion Wash the mouth with water. If large amounts are swallowed obtain prompt medical attention.

## 5. Fire and Explosion

Flash Point, °C > 200

Flammable Limits Requires exposure to high temperature and naked flame.

Extinguishing Media Dry chemical, CO2, foam.

Special Fire Fighting Procedures

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire Class according to DIN-EN 2:

## 6. Accidental Release

In Case of Spill

If molten, allow to solidify, scrape up and dispose of as solid combustible material. Do not wash solid or molten wax into drains.

## 7. Special Storage and

Storage

Store away from boilers and hot pipes.

Handling Protection

No special precautions other than protection from splashing or contact with molten material.

## 8. Exposure Control / Personal Protection

Exposure Limits

A threshold value of 1mg/m<sup>3</sup> is recommended for wax fumes.

Eye Protection

Safety glasses, chemical goggles (if splashing possible).

Skin Protection

Heated wax should be handled with caution and suitable protective clothing worn.

Respiratory Protection

Adequate ventilation

Ventilation

Normal ventilation

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### 9. Physical Data

Physical state at room temperature	Solid
Form supplied	Beads / Flakes
Colour	White
Odour in physical state	Slight fatty odour
Odour in molten state	Slight fatty odour
Density at 20°C	0.94
Congealing Point, °C	58
Drop Melting Point, °C	n/a
Ring and Ball Softening Point, °C	n/a
Viscosity at 100°C, cSt	n/a
Penetration at 25°C	n/a
Acid Value	n/a
Saponification Value	n/a

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### 10. Reactivity Data

Stability	Stable
Hazardous Decomposition Products	None
Hazardous Polymerisation	Will not occur
Incompatibility - materials to avoid	None

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### 11. Toxicological Data

Toxicology	No data available
Health Effects	None expected

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### 12. Ecological

Unlikely to cause any environmental hazards. Degrades very slowly at temperatures.

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### 13. Disposal

Disposal of waste product	Treat as solid combustible materials and dispose in accordance with local regulations.
WC-Code	12 01 12 Spent waxes and fats

Disposal of packaging – pallets  
Disposal of packaging – cartons

Pallets can be returned to supplier via haulier / forwarding agent  
Cartons may be returned to the appropriate used paper recycling point

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## 14. Transportation

Designation  
Special Precautions

Non-hazardous  
None

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## 15. Regulatory

There is no regulatory material available.

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## 16. Other Information

Further reading

Ullmans's Encyclopedia of Industrial Chemistry, 5th Edition, Vol. A28, "Waxes", Verlag Chemie, 1996 Shubik et al., Toxicol. Appl. Pharmacol. Suppl. 1-62, 1962

Last Revision

Tuesday, April 02, 2007

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