

Date of Issue: 19.08.2005

Replaced Data Sheet: ---

Product Name: Hot Pouring Compound FH (according to VDE 0291)

Page 1 of 5

1 Identification of the Substance/Preparation and the Company

Product Name: **Hot Pouring Compound FH** (according to VDE 0291)
Application: As filling compound.
Producer/Supplier: HÖHNE GmbH
Mühlenstraße 76
D-25421 Pinneberg (Germany)
Telephone: +49 - (0)4101 / 5453 - 0 / Fax: - 33
Internet: www.hoehne.de / E-Mail: info@hoehne.de
Emergency Phone No.: In an emergency dial your local Emergency Call.
Keep this Safety Data Sheet at hand.

2 Composition / Information on Ingredients

Chemical Characterization (Preparation):
Preparation from natural rosins (kolophonium) and higher hydrocarbons.

Dangerous Components:

Substance:	CAS-No.:	EINECS-No.:	Content %:	Symbol:	R-Phrases:
Kolophonium	8050-09-7	232-475-7	app. 75	Xi	43

3 Hazards Identification

Human Health Hazards:

May cause sensitisation by skin contact.

Under normal conditions of use skin contact with the product is expected to be limited by the high temperatures necessary with the processing of the material. The safety risk therefore normally limits any chronic danger for the skin. The risk of thermal burns is clearly higher.

In the heated state the product give off fumes. Although these are not thought to produce a significant health hazard, prudence would dictate that exposure to these fumes should be kept to a minimum by observing good work practice and ensuring good ventilation around work areas.

Physical and Chemical Hazards:

The product is typically handled above 100°C and contact with water will result in a violent expansion and a danger of splashing or 'boil over'. Although not classified as flammable, the product is a hydrocarbon material and can burn.

Additional Information:

The classification of the substance "kolophonium" used for this preparation is essentially based on the dust existing with the delivered state. In the Hot Pouring Compound FH this dust is bound by the higher hydrocarbons.

4 First-Aid Measures

Inhalation:

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

Skin Contact:

Cold product: Wash contaminated skin with soap and water. Remove contaminated clothing and wash underlying skin as soon as reasonably practicable.

Hot product: Flood skin with cold water to dissipate heat (at least 10 minutes). Do not attempt to remove the product from the skin. All burns should receive medical attention. It should be noted that the product contracts on cooling and where a limb is encased care should be taken to avoid the development of a tourniquet effect.

Eye Contact:

Cold product: Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

Hot product: Flood with cold water to dissipate heat (at least 10 minutes). In the event of any product remaining, do not try to remove it other than continued irrigation with water. Obtain medical attention immediately. In all cases the intact eye has to be protected.

Swallowing:

Do not induce vomiting unless directed to do so by medical personnel. Do not swallow. Provided the patient is conscious, wash out mouth with water (do not swallow). Medical advice is required.

Date of Issue: 19.08.2005

Replaced Data Sheet: ---

Product Name: Hot Pouring Compound FH (according to VDE 0291)

Page 2 of 5

5 Fire-Fighting Measures

Suitable Extinguishing Media:

Extinguishing powder, alcohol-resistant foam, carbon dioxide, water spray or water mist.

Extinguishing Media which must not be used for safety reasons:

Water jet.

Special Exposure Hazards arising from the substance itself, combustion products, resulting gases:

Boil-over of tanks and violent eruptions in the presence of water (splatter of hot material).

Burning product sets free a complex mixture of gases and airborne particulates, including carbon monoxide, carbon dioxide, nitrogen oxide and soot.

Fire Fighting Protective Equipment:

Protective respirator with independent air supply.

Further Information:

Do not let enter contaminated extinguishing water into the soil, groundwater or surface waters.

Fire arrears and contaminated fire fighting water must be disposed according to the local official regulations.

6 Accidental Release Measures

Personal Precautions:

Wear personal protection clothing (see Chapter 8). Keep unnecessary personnel away.

Hot product should be handled so that there is no risk of burns. Avoid inhaling gases/vapours/aerosols.

In confined spaces, do not allow water or other liquid to contact hot product.

Environmental Precautions:

Protect drains from spills and prevent entry of product, since this may result in blockage on cooling. Should blockage occur, notify the appropriate authority immediately.

Clean-up Method:

Prevent from spreading by making trench or barrier with dry sand, earth or other suitable inert material. Allow to cool and solidify. Remove mechanically into containers for disposal in accordance with local regulations (see Chapter 13).

7 Handling and Storage

Handling:

Ensure adequate ventilation at work place.

In general the product is handled in liquid form, therefore it must be warmed up to temperatures over 100°C.

Do not allow molten product to contact water or other liquids.

For quality, technical, and health, safety and environmental reasons, the product should not be overheated during handling and storage. The maximum temperature of the product during the storage and the handling is to be at least 50°C under the flash point (see Chapter 9). Operating temperatures should be kept as low as possible to minimise fume generation.

Avoid contact with eyes. If splashing is likely to occur wear full face visor or chemical goggles as appropriate.

Avoid skin contact (skin burns) and breathing fumes (irritation of respiratory tract).

Precautions Against Fire and Explosion:

Observe the general rules for fire prevention.

A potentially flammable atmosphere may be generated if material is held hot for prolonged periods.

Storage:

Keep container closed and store under cool and dry conditions.

Keep away from strong oxidising agents and acids.

Avoid direct sunlight and heat sources. Protect against moisture.

Keep separated from foodstuffs.

8 Exposure Controls / Personal Protection

For technical protective measures to limit exposure see also Chapter 7 "Handling and Storage".

Occupational Exposure Limits:

The general dust limit value indicated for the material "kolophonium" is not applicable for the preparation "Hot Pouring Compound FH" made of it, since with intended use a dust formation can be excluded.

Date of Issue: 19.08.2005
Replaced Data Sheet: ---
Product Name: Hot Pouring Compound FH (according to VDE 0291)

***8 Exposure Controls / Personal Protection** (continued)

Personal Protection:

Respiratory Protection: Not required under normal working conditions and with adequate ventilation. If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist.

Hand Protection: When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of the heated product.

Eye Protection: Safety glasses with side shields, face shield or full-face protection when the material is handled hot.

Skin Protection: When handling hot material, wear heat resistant protective gloves, clothing and face shield.

General safety and hygienic measures:

Do not store food in the work area. Do not eat, drink or smoke during work.

Avoid contact with eyes, skin and clothes. Avoid breathing vapour or mist.

Wash hands with water and soap before breaks and at end of work.

Remove contaminated clothing. Contaminated clothing should be thoroughly cleaned before re-use.

9 Physical and Chemical Properties

tested in accordance with

Physical State:	solid at ambient temperature liquid at normal handling temperature	
Colour:	yellow to brown	
Odour:	characteristic	
Dropping Point (Ubbelohde):	60 - 70°C	DIN 51 801 Part 2
Flash Point:	> 180°C	DIN ISO 2592
Ignition Temperature:	> 240°C	DIN 51 794
Vapour Pressure:	negligible at ambient temperature	
Density:	1,00 - 1,05 g/cm ³ (at 20°C) < 1,0 g/cm ³ (at 100°C)	DIN 51 757
Viscosity:	approx. 50 mPa·s (at 130°C)	Brookfield
Solubility in Water:	insoluble	

10 Stability and Reactivity

General Information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to Avoid:

Excessive heating above the maximum recommended handling and storage temperatures will cause evolution of flammable vapours.

Materials to Avoid:

Do not allow hot-liquid product to contact water or other liquids.

Avoid contact with strong oxidising agents and concentrated mineral acids.

Hazardous Decomposition Product(s):

The product does not decompose at normal temperatures. With excessive heating however dangerous decomposition products can form.

11 Toxicological Information

Basis for Assessment:

Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products.

Acute Toxicity:

No specific data available for this product.

Irritating/Corrosive Effects (data of the substance "kolophonium"):

Eye Irritation: Irritation possible.

Skin Irritation: Irritation possible.

Skin Sensitisation: May cause sensitisation by skin contact.

Date of Issue: 19.08.2005

Replaced Data Sheet: ---

Product Name: Hot Pouring Compound FH (according to VDE 0291)

Page 4 of 5

11 Toxicological Information (continued)

Chronic Toxicity:

Under normal conditions of use skin contact with the product is expected to be limited by the high temperatures necessary with the processing of the material. The safety risk therefore normally limits any chronic danger for the skin.

Additional Information:

The contact with hot product can cause thermal burns, which in particular at the eyes can lead to permanent damage.

12 Ecological Information

Basis for Assessment:

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Mobility:

Ground: According to its physical properties, the product is not mobile and will remain on the soil surface.

Water: Insoluble in water. The product will settle to the sediment surface.

Persistence and Degradation:

Under normal circumstances the product will remain in place. The degradation is very low.

Further Information:

Do not allow to escape into waters, wastewater or soil.

The product is practically not water-soluble and free of poisons and heavy metals. The product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Due to the physical characteristics a separation of the product takes place with each filtration or sedimentation procedure.

13 Disposal Considerations

Disposal of Residues:

Dispose of according to regulations by incineration in a special waste incinerator.

The relevant EU Directives and local, regional and national regulations must be complied with.

It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste Catalogue. It is recommended that details be sorted out with the waste disposer responsible.

Uncleaned Packaging (Recommendation):

Containers have to be emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"). Recycle or dispose of in accordance with the legislation in force with a recognised collector or contractor. Labels should not be removed from containers until they have been cleaned.

14 Transport Information

In cold condition the product is no subject to any transport regulation.

No dangerous cargo according to:

ADR/RID	(Land Transport - Road/Railway)
GGVSee/IMDG-Code	(Transport by Sea)
ICAO-TI/IATA-DGR	(Air Transport)

German Postal Dispatch: Permitted.

Keep away from foodstuffs. Protect against moisture.

15 Regulatory Information

Labelling in accordance with Annex I of directive 67/548/EEC and its amendments and adaptations:

Symbol and Hazard Description: Xi - Irritant

R-Phrases:

R 43: May cause sensitisation by skin contact.

S-Phrases:

S 2: Keep out of the reach of children

S 24: Avoid contact with skin.

S 37: Wear suitable gloves.

National Regulation (Germany):

Water pollution class (WGK): 1 - slightly hazardous to water

WGK = Classification in accordance with the German Water Resources Act (VwVwS 1999-05-17)



Date of Issue: 19.08.2005

Replaced Data Sheet: ---

Product Name: Hot Pouring Compound FH (according to VDE 0291)

Page 5 of 5

16 Other Information

Listing of all R-Phrases indicated in this Safety Data Sheet:

R 43: May cause sensitisation by skin contact.

This data sheet was prepared in accordance with the EU Directives.

In the Safety Data Sheet all chapters which have been changed since last edition are marked with an asterisk (*) in front of the chapter number.

This Safety Data Sheet replaces all previous information.

Revised and valid from: see date of issue.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.