

Safety data sheet

according to 1907/2006/EC, Article 31

PLANATOL WETZEL

Printing date 14.08.2015

Revision: 11.08.2015

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

- **1.1 Product identifier**
- **Trade name:** **HM 55/1**
- **Article number:** 21305
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Hotmelt for industrial use
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Planatol Wetzel GmbH
Fabrikstraße 30 - 32
83101 Rohrdorf
Email: info@planatol.de
Tel.: +49 (8031) 720-0
- **Informing department:** Product Safety Department
- **1.4 Emergency telephone number:** Infracerv GmbH & Co. Höchst KG
+49 69 305 6418

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards** product is not subject to classification
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** adhesive based on thermoplastic elastomers
- **Dangerous components:**

CAS: 8002-74-2	Paraffin waxes and Hydrocarbon waxes	25-50%
EINECS: 232-315-6		

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** After contact with the molten product, cool rapidly with cold water.

(Contd. on page 2)

Printing date 14.08.2015

Revision: 11.08.2015

Trade name: **HM 55/1**

(Contd. of page 1)

- **After eye contact**
- **After swallowing**
- **4.2 Most important symptoms and effects, both acute and delayed**
- **Information for doctor**
- **4.3 Indication of any immediate medical attention and special treatment needed**

Do not pull solidified product away from the skin.
Seek medical treatment.
Rinse opened eye for several minutes under running water.
Rinse out mouth and then drink plenty of water.

No further relevant information available.
present this safety data sheet

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
- **For safety reasons unsuitable extinguishing agents**
- **5.2 Special hazards arising from the substance or mixture**
- **5.3 Advice for firefighters**
- **Protective equipment:**
- **Additional information**

Use fire fighting measures that suit the environment.

Water with a full water jet.

Can be released in case of fire:
Carbon monoxide (CO), Carbon dioxide (CO₂)
Acetic acids vapours

Wear self-contained breathing apparatus.
Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **6.2 Environmental precautions:**
- **6.3 Methods and material for containment and cleaning up:**
- **6.4 Reference to other sections**

Ensure adequate ventilation
No special measures required.

Collect mechanically.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
- **Information about protection against explosions and fires:**
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
- **Information about storage in one common storage facility:**
- **Further information about storage conditions:**

Ensure that suitable extractors are available on processing machines
No special measures required.

The product is not flammable

No special requirements.

Store away from foodstuffs.

Store under dry conditions.

(Contd. on page 3)

Printing date 14.08.2015

Revision: 11.08.2015

Trade name: **HM 55/1**

- **Storage class** 12 (VCI-concept)
- **7.3 Specific end use(s)** No further relevant information available.

(Contd. of page 2)

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** Exhaust or ventilation
- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

8002-74-2 Paraffin waxes and Hydrocarbon waxes

WEL	Short-term value: 6 mg/m ³ Long-term value: 2 mg/m ³
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
- **Breathing equipment:** Avoid skin contact with the liquefied material.
Not necessary if room is well-ventilated.
- **Protection of hands:** Heat resistant gloves
The glove material has to be impermeable and resistant 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
- **Material of gloves** Strong 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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:** Wear protective goggles when handling molten product.
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Solid.
 - **Colour:** Colourless-transparent
 - **Odour:** Characteristic
 - **Odour threshold:** Not determined.
- **pH-value:** Not applicable.

(Contd. on page 4)

GB

Printing date 14.08.2015

Revision: 11.08.2015

Trade name: **HM 55/1**

(Contd. of page 3)

· Change in condition Melting point/Melting range:	ca. 96 °C
Boiling point/Boiling range:	Not determined
· Flash point:	> 200 °C
· Inflammability (solid, gaseous)	Not determined.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	product is not oxidising
· Vapour pressure:	Not applicable.
· Density at 20 °C	1 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Unsoluble
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic at 170 °C:	2000 mPas (ISO 3219)
kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Thermal decomposition > 200 °C possible
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** Avoid overheating
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide
Ethanoic acid

GB

(Contd. on page 5)

Printing date 14.08.2015

Revision: 11.08.2015

Trade name: **HM 55/1**

(Contd. of page 4)

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:**

No irritant effect.

· **on the eye:**

No irritant effect.

· **Sensitisation:**

No sensitizing effect known.

· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

No further relevant information available.

· **12.2 Persistence and degradability**

Not easily biodegradable

· **12.3 Bioaccumulative potential**

No further relevant information available.

· **12.4 Mobility in soil**

No further relevant information available.

· **Other information**

Do not discharge product uncontrolled into the environment

· **Ecotoxicological effects:**

· **Remark:**

If appropriate low concentration are introduced to biological treatment plants no inhibition of the degradation activity of the activated sludge is to be anticipated.

· **Other information:**

local water management regulations have to be observed

· **Additional ecological information:**

· **General notes:**

Not known to be hazardous to water.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:**

Not applicable.

· **vPvB:**

Not applicable.

· **12.6 Other adverse effects**

No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Disposal according to local regulations.

Smaller quantities can be disposed with household waste.

· **Waste disposal key number:**

According to the European waste listing (Europäischer Abfallkatalog EAK), no waste key code can be determined as such a code depends on the individual application of the product by its user. The national and local legal guidelines are to be observed.

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

PLANATOL WETZEL

Printing date 14.08.2015

Revision: 11.08.2015

Trade name: HM 55/1

(Contd. of page 5)

07 02 00	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic

· **Uncleaned packagings:**· **Recommendation:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· 14.1 UN-Number	not applicable not applicable
· 14.2 UN proper shipping name	not applicable
· 14.3 Transport hazard class(es)	not applicable
· 14.4 Packing group	not applicable
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- No further relevant information available.
- **15.2 Chemical safety assessment:**
- A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:**

Planatol Wetzol GmbH
info@planatol.de

· **Contact:**

S.O.

· **Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)

· *** Data compared to the previous version altered.**