Safety data sheet
According to 91/155 EC, 2001/58/EC

Printing date 26.11.2010 Version number 11 Revision: 26.11.2010

Not classified as hazardous according to criteria of Australian Safety and Compensation Council

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

· **Product identifier**
· **Trade name JOWAT 930.74**

· **Article number:** 93074
· **Relevant identified uses of the substance or mixture and uses advised against**
· **Application of the substance / the preparation**
Flushing agent
Adhesives

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
JOWAT AG
Ernst-Hilker-Str. 10 - 14; D - 32758 Detmold
Tel. +49 (0)5231 749 0; Fax +49 (0)5231 749 236
e-mail: info@jowat.de
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· **Department providing the information:**
Umweltmanagement
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2 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:**
Hot melt adhesive
polymer mix

· **Dangerous components:**		
8002-74-2	Paraffin waxes and Hydrocarbon waxes	5 - 10%

· **Additional information**
If any R-phrases (risk-phrases) are listed, please refer for the exact wording to section 16.

3 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** void
· **Information concerning particular hazards for human and environment:**
According to the calculation of the "General Classification guideline for preparations of the EU" (Directive 1999/45/EC of the European Parliament and of the Council) in the latest valid version, the product is not subject to labelling requirements.

· **Label elements**

· **Labelling according to EU guidelines:**
Observe the standard safety regulations when handling chemicals
The product is not subject to marking/classification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

· **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.

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· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

4 First aid measures

· **Description of first aid measures**
· **General information** No special measures required.
· **After skin contact**
The product does not irritate the skin.
After contact with the molten product, cool rapidly with cold water.
Do not pull solidified product away from the skin.
Seek medical treatment.
· **After eye contact** Rinse opened eye for several minutes under running water.
· **After swallowing** In case of persistent symptoms consult physician.
· **Information for physician**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents**
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
· **Special hazards arising from the substance or mixture**
Can be released in case of fire
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
· **Advice for firefighters**
· **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
· **Environmental precautions:** No special measures required.
· **Methods and material for containment and cleaning up:**
Collect mechanically.
Allow to solidify. Collect mechanically.
· **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.
No dangerous materials are released.

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7 Handling and storage

· **Handling**
· **Precautions for safe handling**
Store in cool, dry place in tightly closed containers.
Ensure that suitable extractors are available on processing machines
· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with critical values that require monitoring in the workplace:**	
8002-74-2 Paraffin waxes and Hydrocarbon waxes	
NES	2 mg/m³

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Exposure controls**
· **Personal protective equipment**
· **General protective and hygienic measures**
Standard precautionary measures for handling chemicals are to be observed.
Avoid skin contact with the liquefied material.
· **Breathing equipment:** Not necessary if room is well-ventilated.
· **Protection of hands:** Heat resistant gloves
· **Material of gloves**
Leather gloves
Strong gloves
· **Penetration time of glove material** No special requirements.
· **Eye protection:** Safety glasses recommended during refilling.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
· **Form:**	Solid.
· **Colour:**	According to product specification
· **Smell:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not applicable.
· **Change in condition**	
· **Melting point/Melting range:**	Not determined
· **Boiling point/Boiling range:**	> 350°C

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· **Flash point:**	> 180°C
· **Inflammability (solid, gaseous)**	Not determined.
· **Ignition temperature:**	300°C
· **Decomposition temperature:**	Not determined.
· **Spontaneous combustion:**	Product does not undergo spontaneous combustion.
· **Danger of explosion:**	Product is not explosive.
· **Critical values for explosion:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Vapour pressure:**	Not applicable.
· **Density at 20°C**	0.93 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not applicable.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with**	
· **Water:**	Unsoluble
· **distribution ratio (n-octanol/water):**	Not determined.
· **Viscosity:**	
· **dynamic:**	Not applicable.
· **kinematic:**	Not applicable.
· **Solvent content:**	
· **Organic solvents:**	0.0 %
· **Solid content:**	100.0 %
· **Other information**	No further relevant information available.
· **VOC - Volatile Organic Compounds**	
· **European Community**	0.00 %
· **Switzerland**	0.00 %

10 Stability and reactivity

· **Reactivity**
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
To avoid thermal decomposition do not overheat.
· **Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point
No dangerous reactions known
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** Hydrocarbons

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11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**
· **LD/LC50 values that are relevant for classification:** void
· **Primary irritant effect:**
· **to the skin:** No irritant effect.
· **to the eye:** No irritant effect.
· **Sensitization:** 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 (Directive 1999/45/EC of the European Parliament and of the Council) 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.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow the product to reach ground water, open water or the sewer system, undiluted or in large quantites.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation** Smaller quantities can be disposed with household garbage.

· **European waste catalogue**	
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

· **Uncleaned containers/packaging material:**
· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
· **ADR/RID-GGVS/E Class:** Not dangerous according to the above specifications.

· **Maritime transport IMDG/GGVSea:**
· **Marine pollutant:** No

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· **Remarks:**	Not dangerous according to the above specifications.

· **Air transport ICAO-TI and IATA-DGR:**

· **Remarks:**	Not dangerous according to the above specifications.

· **Special precautions for user** Not applicable.
· **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**

· **Standard for the Uniform Scheduling of Drugs and Poisons**
None of the ingredients is listed.

· **Designation according to EC guidelines (Council Directive 67/548/EEC; Directive 1999/45/EC of the European Parliament and of the Council):**
Observe the standard safety regulations when handling chemicals
The product is not subject to marking/classification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

· **Special designation 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

These data are based on our present knowledge. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended, and observed as necessary.

· **Department issuing data specification sheet:** Environment protection department.
· **Contact:** Jan-Peter Boelcke