

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 08/23/2006

Reviewed on 08/22/2006

1 Identification of substance

- **Product details**

- **Trade name:** STAUF PUM-950
- *Application of the substance / the preparation* Adhesives

- **Europe:**

Stauf Klebstoffwerk GmbH
 Oberhausener Strasse 1
 57234 Wilnsdorf
 Federal Republik of Germany
 Phone: 01149-273-930-1100
 Fax: 01149-273-930-1200

- **Emergency information:** CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

2 Composition/Data on components

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

64742-47-8	Distillates (petroleum), hydrotreated light	2.5-10%
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	2.5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 May cause sensitization by inhalation and skin contact.
 Contains isocyanates. See information supplied by the manufacturer.

- **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **NFPA ratings (scale 0 - 4)**



Health = 0
 Fire = 1
 Reactivity = 0

- **WHMIS-ratings (scale 0 - 4)**



Health = *0
 Fire = 1
 Reactivity = 0

USA

(Contd. on page 2)

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 08/23/2006

Reviewed on 08/22/2006

Trade name: STAUF PUM-950

(Contd. of page 1)

4 First aid measures

- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

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

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

64742-47-8 Distillates (petroleum), hydrotreated light

TLV	200 mg/m ³ As total hydrocarbon vapor; Skin; (P)
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9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

TLV	(as inhalable aerosols)
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 08/23/2006

Reviewed on 08/22/2006

Trade name: STAUF PUM-950

(Contd. of page 2)

Do not inhale gases / fumes / aerosols.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:**· Material of gloves**

Butyl rubber, BR

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: Not required.

9 Physical and chemical properties

· General Information

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic

· Change in condition**Boiling point/Boiling range:** 175°C (347°F)**· Flash point:** 111°C (232°F)**· Ignition temperature:** 210.0°C (410°F)**· Auto igniting:** Product is not selfigniting.**· Danger of explosion:** Product does not present an explosion hazard.**· Explosion limits:****Lower:** 0.5 Vol %**Upper:** 6.5 Vol %**· Vapor pressure at 20°C (68°F):** 2.0 hPa (2 mm Hg)**· Density at 20°C (68°F):** 1.300 g/cm³**· Solubility in / Miscibility with****Water:** Insoluble.**· Solvent content:****Organic solvents:** 0.0 %**VOC Content:** g/l

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Dangerous reactions No dangerous reactions known.**· Dangerous products of decomposition:** No dangerous decomposition products known.

USA

(Contd. on page 4)

Trade name: STAUF PUM-950

(Contd. of page 3)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - *on the skin:* No irritant effect.
 - *on the eye:* No irritating effect.
- **Sensitization:**
 - Sensitization possible through inhalation.
 - Sensitization possible through skin contact.
- **Additional toxicological information:**
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Harmful
 - Irritant

12 Ecological information

- **General notes:**
 - Water hazard class 1 (Self-assessment): slightly hazardous for water
 - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation:**
 - Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **DOT regulations:**
 - *Hazard class:* -
- **Land transport ADR/RID (cross-border):**
 - **ADR/RID class:** -
- **Maritime transport IMDG:**
 - **IMDG Class:** -
 - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** -

15 Regulations

- **Sara**
 - *Section 355 (extremely hazardous substances):*
 - None of the ingredient is listed.

(Contd. on page 5)

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 08/23/2006

Reviewed on 08/22/2006

Trade name: STAUF PUM-950

(Contd. of page 4)

· *Section 313 (Specific toxic chemical listings):*

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues
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· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· *Chemicals known to cause cancer:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for females:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

· *Chemicals known to cause developmental toxicity:*

None of the ingredients is listed.

· **Canadian Ingredient disclosure list**

· *Limit 0,1%*

None of the ingredients is listed.

· *Limit 1%*

None of the ingredients is listed.

· **Carcinogenity categories**

· *EPA (Environmental Protection Agency)*

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	D;CBD
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· *IARC (International Agency for Research on Cancer)*

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	3
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· *NTP (National Toxicology Program)*

None of the ingredients is listed.

· *TLV (Threshold Limit Value established by ACGIH)*

None of the ingredients is listed.

· *MAK (German Maximum Workplace Concentration)*

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	3
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· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*

None of the ingredients is listed.

· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**



Xn Harmful

· **Hazard-determining components of labelling:**

diphenylmethanediisocyanate, isomeres and homologues

(Contd. on page 6)

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Trade name: STAUF PUM-950

(Contd. of page 5)

· **Risk phrases:**

May cause sensitization by inhalation and skin contact.

· **Safety phrases:**

Keep away from sources of ignition - No smoking.

Do not breathe fumes

Avoid contact with skin.

Wear suitable gloves.

In case of accident or if you feel unwell, seek medical advice immediately.

This material and its container must be disposed of as hazardous waste.

· **Special labeling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
I	2,5-10

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:**

Produkttechnik

Stauf Klebstoffwerk GmbH

Oberhausener Strasse 1

57234 Wilnsdorf

Federal Republik of Germany

Phone: 01149-273-930-1100

Fax: 01149-273-930-1200

· **Contact:** Wolfgang Stauf, Phone/Fax 01149-171-531-5434

USA