

SAFETY

According to 91/155 EEC Printing date 29.10.2012

Knife putty

Reviewed on: 29/10/2012

Trade name: Knife putty

2 HAZARDS

Dust can be ignited by friction material, open flames, sparks and other sources of electrostatic,

Dust explosions cannot be excluded. Prolonged exposure is through a lovely effect

Skin contact. Fine particles and dust can be caused by mechanical manipulation

Cause eye irritation. May cause sensitization by skin contact.

Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

GHS07

Skin sensitization, category 1, H317

May cause allergic skin reactions

Classification (67/548/EEC or 1999/45/EC)

Xi; sensitizing

R43: May cause sensitization by skin contact.

Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms

GHS07

Signal Word: CAUTION

Responsible for the labeling material:

Gum rosin

Hazards

H-phrases:

H317: May cause an allergic skin reaction.

Safety

SAFETY

According to 91/155 EEC Printing date 29.10.2012

V 1.0

Precautionary phrases:

P261: Do not breathe dust / vapor.

P272: Contaminated work clothing should not be at work.

P280: Wear protective gloves / protective clothing / eye protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P333 + P313: If skin irritation or rash occurs: Get medical advice / medical attention.

Wash contaminated clothing before reuse: P363.

P501: Dispose of contents / container in accordance with local, regional, national and / or international regulations

Other hazards:

Resin dust is caused by friction, open flames, sparks and other sources electrostatic flammable dust explosions cannot be excluded.

Results of PBT and vPvB studies

PBT

According to Annex XIII of the REACH Regulation, the substance is not considered to be persistent, bio accumulative and toxic classified.

#### vPvB

According to Annex XIII of the REACH Regulation, the substance is not very persistent, bio accumulative toxic and classified.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixture of natural resin and wax

3.2 Hazardous ingredients: Rosin

CAS-No. 8050-09-7 (also applies to TSCA inventories and ACOIN)

EINECS. 2324757

### 4 FIRST AID MEASURES

4.1 General: not applicable

4.2 after inhalation

In case of excessive inhalation of hot vapors or dusts from the person concerned should be in the fresh air

lie quietly. It has to be called a doctor immediately.

4.3 After contact with skin

the skin is washed immediately with soap and water. If any symptoms should occur a physician is consulted.

4.4 Eye Contact

the eyes are flushed immediately with plenty of water. In case of irritation, a doctor must be consulted are.

4.5 Ingestion

The mouth is rinsed immediately with plenty of water and visited a doctor.

4.6 Advice to Doctor

After excessive inhalation of vapors is expected to chemical pneumonitis.

### 5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

#### SAFETY

According to 91/155 EEC Printing date 29.10.2012

Knife putty

V 1.0

Foam, powder, CO2 and water mist.

5.2 For safety reasons unsuitable extinguishing agents direct water jet.

5.3 Protective equipment for fire-fighters

Inhalation of vapors should be avoided by wearing respirators.

### 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

There are to remove sources of ignition. The personal protection after Subsection.8 is observed.

6.2 Environmental precautions

to avoid contamination of the environment by wind-blown dust, the cleaning should be carried out

immediately

are. Do not discharge into drains or rivers.

#### 6.3 Methods for cleaning

the product is immediately carefully swept up and sent to recycling or disposal. Since the this product is not water soluble, the use of water is undesirable.

#### 6.4 Additional information:

Remove sources of ignition.

Information in section 7 note.

### 7 HANDLING AND STORAGE

#### 7.1 Handling

Information for safe handling:

Avoid formation of dust.

Precautions against fire and explosion:

Fine dust can lead to dust explosions under certain circumstances. From open flames, heat sources

and sparks. Avoid dust deposit, remove regularly.

#### 7.2 Storage

Requirements for storage rooms and containers:

Is stored in closed original containers, away from heat sources and not in paper containers Free.

Further information about storage conditions:

Dust formation can be prevented by adequate ventilation of the storage and work rooms.

All equipment must be grounded.

Maximum temperature during storage and transport: Less than 30 degrees Celsius

### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1 Personal protective equipment:

There are safety glasses, gloves and work clothes, with large amounts of dust and dust masks, while working to carry. A eye wash station is willing to keep.

#### 8.2 Limitation and supervision of exposure in the workplace

General safety and hygiene measures:

When using do not eat, drink or smoke.

#### SAFETY

According to 91/155 EEC Printing date 29.10.2012

Knife putty

V 1.0

### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 General Information

Appearance / Form: Solid sheets or rods

Color: yellowish-brown

Odor: weak

#### 9.2 Important health, safety and environmental safety method:

Melting point / Melting range: 72-105 ° C

Flash point: 280 ° C

Lower explosion limit: no data available

Density: 1.0-1.1 g / cm<sup>2</sup>

Water solubility / miscibility: not miscible with water, soluble in aromatics and aliphatic

Acid number: 150-180 mg KOH / g

### 9.3 Other Information

Flammable dust clouds from about 0.015 g / l

### 10th STABILITY AND REACTIVITY

#### 10.0 General:

Not applicable

10.1 Conditions to avoid the product is stable in its closed original containers. Excessive heat and light effects are to be avoided. Of particular note is that the material dust with air can form explosive mixtures.

Material is flammable dust from electrostatic sparks, open flame or other ignition sources.

10.2 Materials to avoid concentrated mineral acids or strong oxidizing agents

10.3 Hazardous decomposition products not known

### 11th TOXICOLOGICAL INFORMATION

#### 11.0 Acute Toxicity

LD/LC50-values relevant for classification

Oral LD50:> 2000 mg / kg (rat)

Dermal LD50:> 2000 mg / kg (rabbit)

#### 11.1 Sensitization:

The triggering of allergies caused by rosin and its derivatives is possible

Effects after repeated or prolonged exposition (subacute to chronic)

### 12th Environment-related measures

#### 12.1 Fish toxicant

There are no toxic effects detectable after 96 h.

Behavior in sewage treatment plants (bacteria toxicity: respiration-/reproduction):

EC 10 = 53.9 mg / l, EC 50 = 76.1 mg / l

Into ground water, water course or allow to enter drains.

### SAFETY

According to 91/155 EEC Printing date 29.10.2012

Knife putty

V 1.0

### 13th DISPOSAL

#### 13.1 Product

Recommendation:

Disposal is subject to local regulations, approved by garbage disposer. The Manufacturer recommends burning.

13.2 Contaminated packaging disposal according to official regulations.

13.3 Waste code number and name of waste (EC):

EWC code 200112

EWC-name inks, printing inks, adhesives and resins

OECD code 070 AD

OECD designation Wastes from production, formulation and use of inks, dyes, Pigments, paints and varnishes

#### 14th TRANSPORT INFORMATION

The product is not subject to ADR / RID, ADR, RID, ADR, RIDGGVS transport regulations / E, IMDG / GGV and ICAO-TI/IATA.

#### 15th LAWS

Regulation on hazardous substances (Ordinance on Hazardous Substances-GefStoffF)

Marking: Xi - Irritant

Risk phrases: 43 May cause sensitization by skin contact

S-phrases: (2) must not fall into the hands of children

22 Do not breathe dust

23 Do not breathe vapors

24 Avoid contact with skin-

37 Wear suitable gloves-

Water hazard class:

1 slightly water endangering substances

Water hazard class: not applicable

#### 16th OTHER INFORMATION

The information given is based on our current level of knowledge of the product at the time the specified date. They are given in good faith, but do not absolve the user from its

Duty of care to not yet known risks, especially when using the product in other

Application areas than the ordinary. The user is obligated to the entire Safety read and observed. He assumes sole responsibility for the precautions required.

#### SAFETY

According to 91/155 EEC Printing date 29.10.2012

V 1.0

the safety data sheet does not constitute a legally valid contractual relationship.