

Paul Bauder GmbH

According to Regulation (EC) No 1907/2006

Product name: **PVC solvent welding agent Bauder**

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Prepared on: 17/08/2010

revised points *

Print Date: 05/23/2012

First Substance / preparation and company designation

Product details:

Trade Name

Bauder welding compound PVC (PVC solvent)

Information for Suppliers

Paul Bauder GmbH & Co. KG

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www.giftnotruf.de

Second * Possible risks:

Symbol:



Xi Irritant

F Highly flammable

Particular dangers for man and environment:

R 11 Highly flammable

R 19 May form explosive peroxides

36/37 Irritating to eyes and respiratory system

Third * Composition / information on ingredients

Chemical characterization:

Hazardous Ingredients:

Chemical name EC no. CAS-No. Symbol (s) R-phrases S-phrases concentration%

Tetrahydrofuran 203-726-8 109-99-9 F, Xn 11, 19

36/37, 41 67 16, 23, 29, 33, 88-92

Cyclohexanone 203-631-1 108-94-1 Xn 10-20 (2 -) 25 8-12%

4th First-aid measures

General notes:

Victim from the danger zone. Contaminated clothing and shoes. Irregular breathing or respiratory arrest provide artificial respiration. Remove the contaminated clothing immediately.

Symptoms of poisoning may even occur after several hours, therefore medical observation for at least

48 hours after the accident.

After inhalation:

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Bring to inhaled, remove to fresh air, if necessary artificial respiration. If no quick Recovery occurs - seek immediate medical attention.

After skin contact:

Exposed skin immediately with plenty of soap and water wash lotion.

Eye contact:

Long lasting with open eye under running water, seek medical attention.

After swallowing:

Nothing to eat or drink enter. Do not induce vomiting. Affected are quiet. Immediate medical attention

go to

Note to Physician:

Prolonged and frequent exposure may cause Hautendzündungen (dermatitis). If swallowed, with

subsequent vomiting may cause aspiration into the lungs be-what can lead to pulmonary edema.

Causes depression of the central nervous system. High exposure can include blurred vision, tremor,

rapid and shallow breathing, delirium, and unconsciousness cause.

5th Fire-fighting measures

Extinguishing Media:

Water spray or fog, dry chemical powder, foam or carbon dioxide. Sand or earth may be used for small fires

Extinguishing Media:

strong jet of water

Special hazards caused by the substance, its combustion products or resulting gases:

Tanks are cool. Vapors and fumes.

Hazardous Decomposition Products: Carbon monoxide. Vapors are heavier than air and spread along ground

Distant ignition possible.

Special protective equipment:

Heat-protective clothing and self contained breathing apparatus required

6th Accidental release measures

Personal precautions:

Personal protective equipment. Keep spectators away. Keep away from heat and ignition sources.

Contact with skin and eyes. Gas / fumes / vapor / spray. Personal protective equipment, refer to point 8

Environmental protection measures:

Do not flush into surface water or sanitary sewer system. Avoid intrusion into the ground. When

larger amounts of spilled material can not be contained, should the local authorities be notified.

Measures for cleaning / collecting:

Dike spilled product, with liquid-binding material (sand, diatomite, universal binders, Sawdust) and out of the hazardous waste disposal. Contaminated area thoroughly.

For

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adequate ventilation.

7th Handling and Storage

Information for safe handling:

The meet in dealing with industrial hygiene and safety.

During this process the valid MAK value is observed. Emissions by Workplace
. reduce Vapors are heavier than air and prepare from the ground. Emergency eye wash stations should be available in the immediate vicinity. Aerosols.

No compressed air used for fluid transport.

Not dispose of waste into sewer.

Temporarily store waste in suitable containers as hazardous waste.

Precautions against fire and explosion protection:

Flammable liquid. Keep away from heat and ignition sources. Fumes can combine with explosive air mixture

. form Measures against static discharges. Only explosion-proof equipment. Not smoking ..

Requirements for storage rooms and containers:

Keep in an area equipped with solvent resistant flooring. Container tightly closed in a dry, cool

and retain well-ventilated place. Keep away from heat and ignition sources. Keep only in original container.

Advice on storage

Materials to be avoided, Oxidising and spontaneously flammable products, flammable materials, organic

Peroxides, oxidizing agents. Keep out of direct sunlight.

Storage class (LGK): 3A; Flammable Liquids

8th * Limit exposure controls / personal protection

Additional information about design of technical systems:

Suction:

The solvent vapors are heavier than air.

You should therefore always suck at the source and down away.

Components with critical values that require monitoring at the workplace:

Identification of the substance CAS-No. Type Value / Unit

Tetrahydrofuran 109-99-9 MAK 50 ppm

Cyclohexanone 108-94-1 AGW mgm3 80, 20 ppm

PEAK: Peak limitation category: -2

Duration 15 min, average, 4 times per shift and distance 1h

Personal protective equipment:

General protection and hygiene measures:

Remove contaminated clothing immediately. Gas / fumes / vapor / spray. Contact with the

Skin and eyes. While working with the food product does not drink or smoke.

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and after finishing work.

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and lubricate with suitable skin cream.

Respiratory protection:

Use at risk of inhalation of vapors / aerosols are breathing. Respiratory filter for organic gases and

Vapor (Type A)

Eye protection:

Tightly fitting safety goggles / face protection

Hand protection full contact:

Glove material: Viton, the company KCL

Layer thickness: 0.7 mm

Breakthrough time > 120 min

In splash contact:

Glove material: nitrile rubber

Layer thickness: 0.4 mm

Breakthrough time: > 120 min

9th * Physical and chemical properties

Appearance:

Form: Liquid

Color: colorless

Smell: arteigen

Security-related data:

Density: about 0.89 g ml⁻¹ *

Vapor Pressure: 200 mbar at 20 °C.

Viscosity:

Solubility in water: miscible

pH: n.a.

Flash point: - 20 °C

Ignition temperature: 215 - 230 °C.

Lower explosive limit: 1.5 vol%

Upper explosion limits: 12.4% by volume

Boiling point: 66 °C

10th Stability and reactivity

Reacts violently with oxidants.

Can be formed when the air explosive peroxides.

Reacts explosively with potassium hydroxide, sodium aluminum hydride, sodium hydroxide and Natriumtetrahydroaluminat.

Together with 2-aminophenol and Potassium dioxide an explosion hazardous product.

Releases with Lithiumtetrahydroaluminat or borane hydrogen.

Reacts violently with metal halides and with bromine or calcium hydride when heated.

Check for peroxides prior to distillation and possibly destroy peroxides.

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11th Toxicological

Tetrahydrofuran:

Ingestion LD50 (oral, rat) 2050-6210 mg / kg

Inhalation: Man TCLO 25,000 ppm

Skin contact: Irritant to skin and mucous membranes

Eye Contact Irritating to eyes

Cyclohexanone

Swallowed rat LD50 1540 mg / kg of soft data from this literature by the EU

Requirement of designation from.

Inhalation LC50 rat 10.7 mg / l 4 h

Skin absorption LD50 rabbit 948 mg / kg of soft data from this literature by the EU

Requirement of designation from.

No skin irritation rabbit skin contact OECD test line 404

Eye Contact Irritating to rabbit eye. These data differ from the literature by the EU

Requirement of designation from.

Sensitization guinea pig not sensitizing: maximization test

For more information about Dangerous amounts can be absorbed through the skin.

Inhalation of high

Vapor concentrations may cause CNS depression and narcosis.

For more information:

Solvents may degrease the skin. Further hazardous properties can not be excluded

Handle in accordance with good industrial hygiene and safety practice.

12th Ecological

Information about elimination (persistence and degradability):

n.b.

Behaviour in environmental compartments:

hazardous to water

Ecological effects:

Tetrahydrofuran

Acute Toxicity:

Mammals: 1

Pisces: 2.6

Bacteria: 3.2

Cyclohexanone

Biodegradability 97% 28 d; Readily biodegradable

Bioaccumulation No bioaccumulation

Toxicity to fathead minnow LC50 527 mg / l for 96 h

Fishing

Daphnia Daphnia magna EC50 820 mg / l 24 h

Toxicity to algae Scenedesmus quadricauda EC5 370 mg / l 192 h

Toxicity to EC5 Pseudomonas putida 180 mg / l for 16 h

Bacteria

Additional Information:

Penetration of liquid and / or steam into the ground to prevent soil, waterways and drains.

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13th Disposal

Product:

Waste in suitable, labeled and closeable reservoir and fill out a hazardous waste disposal.

Waste code number: EWC 07 03 04

Cured product:

Hazardous waste disposal, Waste Key Number: na

Contaminated packaging:

Hazardous waste disposal, Waste disposal no: Disposal according to official regulations by authorized staff. Please click on complete emptying of the container eighth. Explosion ADR: Class 3

14th Transport information

Land transport ADR / RID and ADR / RID:

Class 3

Packing Group II

UN number 2056

Label 3

Hazard identification (risk number) 33

Hazardous tetrahydrofuran

Classification Code: F1

Water transport ADR / RID

IMDG Code 3

Packing Group II

UN number 2056

Proper Shipping Name: Flammable Liquid, n.o.s

Hazardous tetrahydrofuran

EMS: F-E, S, D

Marine pollutant: no

Label 3

Air transport ICAO and IATA

IMDG Code 3

UN number 2056

Hazardous tetrahydrofuran

Packing Group II

Label 3

National Note

Modes of transport for road / rail and inland waterway transport designate a Profuktes consists of its UN number and its name used.

15th Legislation

Labelling according to EC guidelines:

Directive 67/548/EEC on labeling of substances

Symbol: F Highly flammable

Xi Irritant

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Risk Phrases: R 11 Highly flammable

R 19 May form explosive peroxides

R 36/37 Irritating to eyes and respiratory system

Safety phrases: S 2 Keep out of reach of children.

S 16 Keep away from sources of ignition - No smoking

S 23 Do not breathe vapor

S 29 Do not empty into drains

S 33 Take precautionary measures against electrostatic charging

National regulations:

Water hazard class:

Class 1 (KBwS): slightly hazardous for water

Solvents Regulation (31 BimSchV)

VOC content: 100%

Employment restrictions

Apprentices may be employed hereby granted only if necessary to achieve the training objective requires the

Occupational exposure limit exceeded and supervision by an expert as well as occupational health or safety technical support is ensured.

Expectant and nursing mothers should only be employed herewith, when the exposure limit is exceeded.

16th Other Information

GISCODE: M-VM03

Abbreviations used: n.a. = Not applicable n.b. = Not known

The information in this SDS is based on the state of our knowledge at the time of revision and serve to describe our products regarding safety precautions to be taken.

They do not represent a guarantee of the properties of the product and any product information or product specification and do not establish a legally valid contractual relationship. The safety data are not transferable to other products. As a guidance in this product with other materials, mixed and processed, or processed shall be treated can not be transferred to the new material. This MSDS contains only safety related information and does not replace any information or product specifications.