

# SAFETY DATA SHEET Permabond QFS10

1. Identification

Revision date: 10/15/2020

Product identifier

Product name

Permabond QFS10

Recommended use of the chemical and restrictions on use

Application

Primer.

Details of the supplier of the safety data sheet

Supplier

Permabond LLC 14 Robinson Street Pottstown, PA 19464

USA

Telephone: 732-868-1372 or 800-640-7599

Website: www.permabond.com

Emergency telephone number

Emergency telephone

Medical: Poison Control Center 866-827-6282 (toll free) or 303-389-1109 Transport:

CHEMTREC 800-424-9300

2. Hazard(s) Identification

Classification of the substance or mixture

OSHA Regulatory Status

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of

Communication and Labeling of Chemicals (GHS).

Physical hazards

Fiam. Liq. 2 - H225

Health hazards

Eye Irrit, 2A - H319 STOT SE 3 - H336

Human health

In high concentrations, vapors and spray mists are narcotic and may cause headache,

fatigue, dizziness and nausea. Irritating to eyes. Repeated exposure may cause skin dryness

or cracking.

Environmental

Very toxic to aquatic life with long lasting effects.

Physicochemical

The product is highly flammable, and explosive vapors/air mixtures may be formed even at

normal room temperatures.

Label elements

Hazard symbols





Signal word

Danger

# Permabond QFS10

Hazard statements

H225 Highly flammable liquid and vapor:

H319 Causes serious eye imitation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapor/ spray.

P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.

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

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/ shower.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. P312 Call a poison center/ doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

ETHYL ACETATE

#### 3. Composition/information on ingredients

## Mixtures

#### ETHYL ACETATE

60-100%

CAS number: 141-78-6

## Classification

Flam. Liq. 2 - H225 Eye Irrit. 2A - H319

STOT/SE 3 - H336

## N,N-DIMETHYL-PARA-TOLUIDINE

<1%

CAS number: 99-97-8

#### Classification

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 3 - H331

STOT RE 2 - H373

Not relevant.

The full text for all hazard statements is displayed in Section 16.

Composition comments

Exact percentage is a trade secret. Concentration range is provided to assist users in

providing appropriate protections.

## 4. First-aid measures

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Description of first aid measures

Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Inhalation

When breathing is difficult, properly trained personnel may assist affected person by

administering oxygen. Get medical attention if any discomfort continues.

Do not induce vomiting. Get medical attention. Ingestion

Skin Contact Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical

attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of

water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe

or persist after washing.

Most Important symptoms and effects, both acute and delayed

Inhalation Vapours may cause drowsiness and dizziness.

Eye contact Causes serious eye irritation,

5. Fire-fighting measures

Extinguishing media

Sultable extinguishing media Foam, carbon dioxide or dry powder.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

The product is flammable. Heating may generate flammable vapors. Vapors are heavier than Specific hazards

air and may spread near ground and travel a considerable distance to a source of ignition and

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

flash back.

Hazardous combustion

products

Irritating gases or vapors. Toxic gases or vapors. Carbon dioxide (CO2). Carbon monoxide

(CO).

Advice for firefighters

Protective actions during

firefighting

Containers close to fire should be removed or cooled with water.

Special protective equipment

clothing.

for firefighters

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all Personal precautions

sources of ignition. Provide adequate ventilation.

Environmental precautions

Avoid the spillage or runoff entering drains, sewers or watercourses. Environmental precautions

Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Methods for cleaning up

For personal protection, see Section 8. For waste disposal, see section 13. Reference to other sections

7. Handling and storage

Precautions for safe handling

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Usage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. During application and drying, solvent vapors will be emitted. Avoid contact with skin

and eyes. Avoid breathing vapours.

### Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away

from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage class

Flammable liquid storage.

Specific end uses(s)

Specific end use(s)

Primer.

### 8. Exposure controls/Personal protection

## Control parameters

#### Occupational exposure limits

#### **ETHYL ACETATE**

Long-term exposure limit (8-hour TWA): ACGIH 400 ppm 1440 mg/m<sup>3</sup> Long-term exposure limit (8-hour TWA): OSHA 400 ppm 1400 mg/m² ACGIH = American Conference of Governmental Industrial Hydienists. OSHA = Occupational Safety and Health Administration.

#### Exposure controls

#### Protective equipment





Appropriate engineering

controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide

information about the breakthrough time of the glove material.

Other skin and body

protection

Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact. Provide eyewash station and safety shower. Uniforms, coveralls, or a lab coat

should be worn

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Use of good industrial hygiene practices is required.

Respiratory protection

Provide adequate ventilation. Respiratory protection may be required if excessive airborne contamination occurs. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved.

## 9. Physical and chemical properties

## Information on basic physical and chemical properties

Color

Colorless.

Odor

Characteristic.

Odor threshold

Not available.

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рΗ

Not relevant.

Melting point

-84°C/-119°F

Initial boiling point and range

76.5°C/169.7°F

Flash point

-3°C/26.6°F

Evaporation rate

Not determined.

Upper/lower flammability or explosive limits

/ OF

Upper flammable/explosive limit: 11.5 % Lower flammable/explosive limit: 2.2 %

Vapor pressure

73.0 mm Hg @ 20°C

Vapor density

Not available.

Relative density

0.9 g/cm3 @ 20°C

Solubility(ies)

Soluble in water.

Partition coefficient

Not determined.

Auto-ignition temperature

427°C/800.6°F

Decomposition Temperature

Not available.

Explosive properties

Not determined.

Oxidizing properties

Not available.

## 10. Stability and reactivity

Reactivity

The following materials may react with the product: Strong oxidizing agents.

Stability

Stable at normal ambient temperatures and when used as recommended.

Possibility of hazardous

reactions

There are no known reactivity hazards associated with this product.

Conditions to avoid

Avoid heat, flames and other sources of ignition.

Materials to avoid

Acids. Strong oxidizing agents.

Hazardous decomposition

No data available.

products

## 11. Toxicological information

## Information on toxicological effects

Toxicological effects

Information given is based on data of the components and of similar products. Avoid breathing vapours. Avoid contact with eyes and prolonged skin contact.

Skin corrosion/irritation

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation

Slightly irritating.

Respiratory sensitization

Respiratory sensitization

Based on available data the classification criteria are not met.

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Skin sensitization

Skin sensitization

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity

No component of this product present at levels great than or equal to 0.1% is identified as a

known carcinogen.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure

A single exposure may cause the following adverse effects: May cause drowsiness or

Target organs

Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause

chemical pneumonitis.

Inhalation

Vapors have a narcotic effect. May cause respiratory system irritation.

Eye contact

Irritating and may cause redness and pain.

Route of exposure

Inhalation Skin and/or eye contact

Toxicological Information on ingredients.

## N.N-DIMETHYL-PARA-TOLUIDINE

Acute toxicity - oral

Acute toxicity oral (LD.

139.0

mg/kg)

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>60</sub> 2,000.0

mg/kg)

**Species** 

Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation

3.19

(LC<sub>60</sub> vapours mg/l)

Skin corrosion/irritation

Animal data

Method: OECD 404, Rabbit Moderately irritating.

Serious eye damage/irritation

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Serious eye

Method: OECD 405, Rabbit Moderately imitating.

damage/irritation

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro

Ames test This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity

No information available.

Reproductive toxicity

Reproductive toxicity -

Two-generation study - LOEL 72.977 mg/kg/day, ,, Rat F2

fertility

Specific target organ toxicity - single exposure

STOT - single exposure

No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Aspiration hazard

Not available.

## 12. Ecological information

Toxicity No information available.

Bioaccumulative potential

Partition coefficient

Not determined.

Other adverse effects

Other adverse effects

None known.

## 13. Disposal considerations

Waste treatment methods

General information Dispose of according to Federal, State/Provincial and local regulations. Refer to section 8

before handling. Empty containers may contain product residue; follow SDS and label

warnings even after they have been emptied.

Disposal methods Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a

licensed waste disposal contractor. Containers should be thoroughly emptied before disposal

because of the risk of an explosion.

## 14. Transport information

**UN Number** 

UN No. (IMDG)

1173

UN No. (ICAO)

1173

UN No. (DOT)

UN1173

UN proper shipping name

Proper shipping name (IMDG) ETHYL ACETATE

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Proper shipping name (ICAO) ETHYL ACETATE

Proper shipping name (DOT) ETHYL ACETATE

Transport hazard class(es)

3 **DOT hazard class** 

**DOT** hazard label 3

**IMDG Class** 3

ICAO class/division 3

## Transport labels



# DOT transport labels



#### Packing group

Л IMDG packing group

ICAO packing group

DOT packing group II

## Environmental hazards

## **Environmentally Hazardous Substance**

Ño.

## 15. Regulatory information

# **US Federal Regulations**

# SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None above reporting levels

## CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed:

ETHYL ACETATE

## SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None above reporting limits

## SARA 313 Emission Reporting

None above reporting limits

## SARA (311/312) Hazard Categories

Acute Fire

## **US State Regulations**

# California Proposition 65 Carcinogens and Reproductive Toxins

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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N,N-DIMETHYL-PARA-TOLUIDINE

#### Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None above reporting limits

## 16. Other information

Classification abbreviations

and acronyms

Flam, Liq. = Flammable liquid Eye Imit. = Eye imitation

Skin Irrit. = Skin irritation

STOT SE = Specific target organ toxicity-single exposure

Asp. Tox. = Aspiration hazard

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Hazard statements in full

H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed.

H311 Toxic in contact with skin. H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.