

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Name : PermaSil® 100 Silicone Water-Based Elastomer (SWBE)  
 Product code : PS12-0001 Clear

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use  
 Industrial/Professional use spec : Industrial  
 For professional use only  
 Use of the substance/mixture : Coating

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

ICD High Performance Coatings + Chemistries  
 7350 S. Union Ridge Parkway  
 Ridgefield, WA 98642  
 United States of America

Tel: +1 (360) 546 2286

Fax: +1 (360) 546 2287

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED STATES OF AMERICA	ICD High Performance Coatings + Chemistries	7350 S. Union Ridge Parkway Ridgefield, WA 98642	: +1 (360) 546 2286

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS Classification according to Regulation (EC) No. 1272/2008 [CLP]

H316 Skin irritation : Category 3

H320 Eye Irritation : Category 2A

Full text of H-phrases mentioned in this Section: see Section 16

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms :



Signal word : Warning  
 Hazard statements : Causes mild skin irritation  
 Causes serious eye irritation

Precautionary statements : **Prevention:**  
 Wash skin and face thoroughly after handling.  
 Wear protective gloves and eye protection.  
**Response:**  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present, and easy to do. Continue rinsing.  
 If skin irritation occurs: Get medical attention.  
 If eye irritation persists: Get medical attention.  
**Disposal:**  
 Dispose of contents/container to an approved waste disposal plant.

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

**Hazardous ingredients:**

Name	CAS No.	Concentration (Wt %)
Water	7732-18-5	50 - 60%
Dimethyl siloxy silsesquioxane	Not Assigned	30 - 40%
Silicon dioxide	7631-86-9	5 - 10%
Diethylamine	109-89-7	0.25 - 1%

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

First-aid measures general	: Never give anything by mouth to an unconscious person. In case of accident or if you feel unwell, seek medical advice (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest. Get medical attention
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/injuries	: No data available
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**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media	: Water spray. Alcohol-resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.
Unsuitable extinguishing media	: None known.

**5.2. Special hazards arising from the substance or mixture**

Specific hazards during firefighting	: Exposure to combustion products may be a hazard to health.
Hazardous combustion products	: Carbon oxides. Silicon oxides. Formaldehyde.

**5.3. Advice for firefighters**

Firefighting instructions	: Use extinguishing methods that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Protection during firefighting	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

**6.2. Environmental precautions**

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

### 6.3. Methods and material for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which regulations are applicable.

### 6.4. Reference to other sections

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Local/Total ventilation	: Use only with adequate ventilation.
Precautions for safe handling	: Avoid inhalation of vapor or mist. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash Skin thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep in properly labeled containers. Store in accordance with the particular national regulations.
Incompatible materials	: Strong oxidizing agents, strong acids

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with workplace control parameters:

No reportable quantities of hazardous materials present

### 8.2. Exposure controls

Appropriate engineering controls	: Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workspace exposure concentrations.
Personal protective equipment	: Protective clothing. Protective goggles or safety glasses. Gloves.
Hand protection	: Permeation-resistant gloves, Butyl rubber gloves, Nitrile rubber gloves, Neoprene gloves.
Eye protection	: Chemical safety goggles or safety glasses with side shields., Chemical safety goggles in combination with a full face shield if a splash hazard exists.
Skin and body protection	: Permeation-resistant clothing, Gloves, long-sleeved shirts, and pants.
Respiratory protection	: No personal respiratory protective equipment normally required. The use of a positive pressure supplied air respirator is mandatory when: airborne concentrations are not known; airborne solvent levels are 10 times the appropriate TLV; spraying is performed in a confined space or area with limited ventilation.



Other information	: Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Store separate from food products.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: White.
Odour	: Slight.
Odour threshold	: No data available
pH	: 11 - 12
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: > 101.1 °C Method: closed cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non-flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.02 g/cm <sup>3</sup>
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 150 cSt
Explosive properties	: Not explosive
Oxidising properties	: This mixture is not classified as oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not classified as a reactivity hazard.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Oxidizing agents, strong acids

### 10.6. Hazardous decomposition products

Carbon oxides. Silicon oxides. Formaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure	: Inhalation. Skin contact. Ingestion. Eye contact.
Acute toxicity	: Not classified based on available data. Acute oral toxicity estimate: >5000 mg/kg Method: calculation method Acute dermal toxicity estimate: >5000 mg/kg Method: calculation method Acute inhalation toxicity estimate: >5000 mg/kg Method: calculation method
Skin corrosion/irritation	: May cause skin irritation
Serious eye damage/eye irritation	: May cause eye irritation.
Skin sensitization	: Not classified based on available information.
Respiratory sensitization	: Not classified based on available information.
Germ cell mutagenicity	: Not classified based on available information.
Carcinogenicity	: Not classified based on available information.
IARC	: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive toxicity	: Not classified based on available information.
Specific target organ toxicity (single exposure)	: Not classified based on available information.
Specific target organ toxicity (repeated exposure)	: Not classified based on available information.
Repeated dose toxicity	: Not classified based on available data.
Aspiration hazard	: Not classified based on available data.
Potential adverse human health effects and symptoms	: Not classified based on available data.
Further Information	: None available

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity	: Not classified based on available data
Chronic aquatic toxicity	: Not classified based on available data

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available



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### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Resource Conservation and Recovery Act (RCRA)	:	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not dangerous goods in terms of transport regulations

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	Not applicable
Proper Shipping Name (IMDG)	:	Not applicable
Proper Shipping Name (IATA)	:	Not applicable
Proper Shipping Name (ADN)	:	Not applicable
Proper Shipping Name (RID)	:	Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR)	:	Not applicable
Packing group (IMDG)	:	Not applicable
Packing group (IATA)	:	Not applicable
Packing group (ADN)	:	Not applicable
Packing group (RID)	:	Not applicable

### 14.5. Domestic regulation

#### 49 CFR

Not dangerous according to transport regulations



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### 14.6. Special precautions for user

#### 14.6.1. Overland transport

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No  
Not subject to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EPCRA – Emergency Planning and Community Right-to-Know CERCLA Reportable Quantity

Ingredients	CAS-No	Component RQ (lbs)	Calculated product RQ (lbs)
Diethylamine	109-89-7	100	27777

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards** : Chronic Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### 15.1.2. National regulations

##### US State Right To Know Regulations

Ingredient	CAS No.
Water	7732-18-5
Dimethyl siloxy silsesquioxane	Not Assigned
Silicon dioxide	7631-86-9

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### The ingredients of this product are reported in the following inventories:

REACH : All ingredients (pre)registered or exempt.

TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or are exempt from listing on the Canadian Domestic Substances List (DSL).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Internal technical data, data from raw material SDS's, and OECD eChem Portal search results.

Other information : None.

Full text of H- phrases:

H315 Causes skin irritation  
H319 Causes serious eye irritation

SDS EU\_NSC

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*