

# SAFETY DATA SHEET Soarnol D2908HB

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

# 1.1. Product identifier

Product name Soarnol D2908HB

Product number D2908HB

Synonyms; trade names Soarnol, EVOH, Ethylene Vinyl Alcohol Copolymer, Soarnol Barrier Resin

**CAS number** 26221-27-2

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

Identified uses Coextrusion

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

Supplier Nippon Gohsei (UK) Limited

Soarnol House

Saltend

Kingston upon Hull

HU12 8DS

U.K

T: +44 (0)1482 333320 F: +44 (0)1482 309332

Contact person info@nippon-gohsei.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1865 407 333 (CARECHEM 24)

# SECTION 2: Hazards identification

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

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Human health The product is considered to be a low hazard under normal conditions of use. Heating may

generate vapours which irritate the respiratory system. Dust may irritate the eyes and the

respiratory system.

**Environmental** The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard statements NC Not Classified

#### 2.3. Other hazards

As supplied, the material does not present a health hazard. Emits vapours if heated. Dust may form explosive mixture with air.

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

3.1. Substances

Product name Soarnol D2908HB

**CAS number** 26221-27-2

Composition comments No classified ingredients, or those having occupational exposure limits, present above the

levels of disclosure.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any

discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Promptly rinse with plenty of water if hot material contacts the skin or non-impervious clothing.

Get medical attention.

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

apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort

continues.

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

**Inhalation** Dust may cause slight irritation. Vapours may irritate throat/respiratory system.

**Ingestion** Due to the physical nature of this product, it is unlikely that ingestion will occur. The product is

considered to be a low hazard under normal conditions of use.

**Skin contact** Dust may cause slight irritation. The product is considered to be a low hazard under normal

conditions of use. Contact with hot product can cause serious thermal burns.

**Eye contact** Particles in the eyes may cause irritation and smarting. Dust may cause slight irritation. The

product is considered to be a low hazard under normal conditions of use.

# 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

# SECTION 5: Firefighting measures

# 5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

**Specific hazards** Dust may form explosive mixture with air.

Hazardous combustion Thermal

products

firefighting

Thermal decomposition or combustion products may include the following substances:

Harmful gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Protective actions during

In case of fire: Keep upwind to avoid inhalation of gases, vapours, fumes and smoke.

Evacuate area. Avoid breathing fire gases or vapours.

Special protective equipment

for firefighters

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

SECTION 6: Accidental release measures

#### Soarnol D2908HB

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

Personal precautions Wear protective clothing, gloves, eye and face protection. Contact with hot product can cause

serious thermal burns. Avoid inhalation of dust.

#### 6.2. Environmental precautions

**Environmental precautions** Not regarded as dangerous for the environment.

# 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Avoid

generation and spreading of dust. Dust may form explosive mixture with air.

#### 6.4. Reference to other sections

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

# SECTION 7: Handling and storage

# 7.1. Precautions for safe handling

**Usage precautions** For professional users only. Prevent accumulation of dust. Avoid inhalation of dust and

vapours. Avoid contact with eyes and prolonged skin contact. Wear protective clothing, gloves, eye and face protection. Contact with hot product can cause serious thermal burns.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Wash hands thoroughly after

handling.

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

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Do not store

near heat sources or expose to high temperatures. Protect from light. Avoid contact with

oxidising agents.

**Storage class** Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

#### SECTION 8: Exposure Controls/personal protection

# 8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

# Protective equipment





Appropriate engineering

controls

Heating may generate vapours which irritate the respiratory system. Provide adequate ventilation.

Eye/face protection Tight-fitting safety glasses.

**Hand protection** Wear protective gloves. 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

Wear appropriate clothing to prevent repeated or prolonged skin contact.

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Hygiene measures No specific hygiene procedures recommended but good personal hygiene practices should

always be observed when working with chemical products. Wash hands thoroughly after

handling.

No specific recommendations. Protection against nuisance dust must be used when the Respiratory protection

airborne concentration exceeds 10 mg/m3.

Thermal hazards If there is a risk of contact with hot product, all protective equipment worn should be suitable

for use with high temperatures.

# **SECTION 9: Physical and Chemical Properties**

# 9.1. Information on basic physical and chemical properties

**Appearance** Pellets.

Colour Yellow-white.

Odour No characteristic odour.

150-200°C Melting point

Flammability (solid, gas) No information available.

Upper/lower flammability or

explosive limits

No information available.

Vapour pressure No information available.

**Bulk density** 0.64-0.80 kg/m<sup>3</sup> Solubility(ies) Insoluble in water.

>420°C **Auto-ignition temperature** 

9.2. Other information

Other information Not available.

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures. Stability

# 10.3. Possibility of hazardous reactions

Possibility of hazardous

Will not polymerise.

reactions

products

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

#### 10.6. Hazardous decomposition products

Hazardous decomposition

None at ambient temperatures. Thermal decomposition or combustion products may include

the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Oxides of carbon.

# **SECTION 11: Toxicological information**

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# 11.1. Information on toxicological effects

**Toxicological effects** No information available.

Acute toxicity - oral

Species Rat

Notes (oral LD<sub>50</sub>) LD50: >5000 mg/kg

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) No information available.

Acute toxicity - inhalation

Notes (inhalation LC50) No information available.

Skin corrosion/irritation

Animal data No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

**Skin sensitisation** No information available.

Germ cell mutagenicity

**Genotoxicity - in vivo**This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

**Inhalation** No specific health hazards known.

Acute and chronic health

hazards

No specific health hazards known. Dust may irritate the respiratory system.

#### SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

12.1. Toxicity

Acute toxicity - fish Not determined.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

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Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

**Mobility** The product has poor water-solubility.

## 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Disposal methods Dispose of contents/container in accordance with local regulations. Disposal of this product,

process solutions, residues and by-products should at all times comply with the requirements

of environmental protection and waste disposal legislation and any local authority

requirements.

#### **SECTION 14: Transport information**

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

# 14.1. UN number

Not applicable.

# 14.2. UN proper shipping name

Not applicable.

# 14.3. Transport hazard class(es)

No transport warning sign required.

## 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

# Environmentally hazardous substance/marine pollutant

No.

# 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

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#### SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

EH40/2005 Workplace exposure limits.

Health and Safety at Work etc. Act 1974 (as amended).

**EU legislation** 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 (as

amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Guidance Workplace Exposure Limits EH40.

Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 16/01/2018

Revision 10

Supersedes date 20/04/2017

SDS number 20319

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