

Safety data sheet
Product: Dan-iso PUR Rigid Foam
Date: 26/06/2023



SAFETY DATA SHEET

Section 1: Identification of product and of the company

Product identifier

Polyurethane Rigid Foam

Relevant identified uses of the substance or mixture and uses advised against

Recommended use: foam material

Chemical Name/Synonyms

PUR Rigid Foam

Details of the supplier of the safety data sheet

Dan-iso A/S
Løgstørvej 146
9600 Aars, Denmark

Emergency telephone number

Poison center in Denmark: +45 82121212, 24-hour service, 7 days a week

In case of emergency call 112.

Section 2: Hazards Identification

Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Globally Harmonized System (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

According to Directive 67/548/EEC or 1999/45/EC

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

No particular hazards are known.

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

Other Hazards (GHS):

No specific dangers are known if the regulations/notes for storage and handling are considered.

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Section 3: Composition/ Information on Ingredients

Mixtures

Chemical nature

Polyurethane

Section 4: First-Aid Measures

Description of first aid measures

If inhaled:

After inhalation of decomposition products, remove the affected person to a source of fresh air and keep calm. Provide medical aid.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

Hazards: No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

No special precautions necessary.

Environmental precautions

Methods and material for containment and cleaning up

For small amounts: Sweep/shovel up. Dispose of contaminated material as prescribed.

For large amounts: Sweep/shovel up. Dispose of contaminated material as prescribed.

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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Section 7: Handling and Storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Suitable materials for containers: carbon steel (iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), tin (tinplate), Stainless steel 1.4301 (V2)

Further information on storage conditions: Protect against moisture.

Specific end use

For the relevant identified use listed in Section 1 the advice mentioned in this section 7 is to be observed.

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

None

Exposure controls

Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

General safety and hygiene measures

When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Form	solid
Odor	almost odorless
Odor threshold	not applicable
pH value	not applicable
Ignition temperature	> 250 °C
Solubility in water	insoluble
Partitioning coefficient n-octanol/water (log Kow)	not applicable
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated

Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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Section 10: Stability and Reactivity

Reactivity

Corrosion to metals: No corrosive effect on metal.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

Avoid extreme temperatures.

Incompatible materials

Substances to avoid:

No substances known that should be avoided.

Hazardous decomposition products

carbon monoxide, carbon dioxide

Gaseous products of degradation can be given off if the product is greatly overheated.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 2,000 mg/kg

Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect.

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest such an effect.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest such an effect.

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Developmental toxicity

Assessment of teratogenicity:
 The chemical structure does not suggest such an effect.

Specific target organ toxicity (single exposure)

Assessment of STOT single:
 Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
 Repeated exposure to the substance by dermal administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Section 12: Ecological Information

Toxicity

Assessment of aquatic toxicity:
 There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
 Poorly biodegradable.
 Elimination information:
 Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:
 Does not significantly accumulate in organisms.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:
 Adsorption to solid soil phase is not expected.

Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria.

Additional information

Adsorbable organically-bound halogen (AOX):
 This product contains no organically-bound halogen.
 Other ecotoxicological advice:
 The product has not been tested. The statement has been derived from products of a similar structure or composition.

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Section 13: Disposal Considerations

Waste treatment methods

Incinerate in suitable incineration plant, observing local authority regulations.

Waste key:

07 02 13 waste plastic – absolute non-hazardous.

Contaminated packaging:

Completely emptied packagings can be disposed of as recyclable.

Section 14: Transport Information (non-mandatory)

Land transport

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulation

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

Section 15: Regulatory Information (non-mandatory)

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Chemical Safety Assessment

Chemical Safety Assessment not yet performed due to registration timelines. Exposure scenarios for the mixture can not be provided at the moment because exposure scenarios are not yet available for all relevant substances due to registration

Section 16: Other Information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification).

No property nor the suitability of the product for any specific purpose should be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.