

Hranitherm 860/861 PUR, Hranitherm 10.860/10.861 PUR

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Issue date: 31/05/2019

Revision date: 15/05/2020

Supersedes: 31/05/2019

Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Product name : Hranitherm 860/861 PUR, Hranitherm 10.860/10.861 PUR

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

1.2.1. Relevant identified uses

Main use category : Product for industrial use only
Use of the substance/mixture : Hot melt adhesive
Function or use category : Adhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

Hranipex Czech Republic k.s.
J. Rýznerové 97, Komorovice
396 01 Humpolec - Czech Republic
T 565 501 210
help@ecomole.com - www.hranipex.cz

Supplier

Hranipex Ltd.
Unit 2 Radial Park, Birmingham Business Park
Birmingham, B37 7YN, United Kingdom
T 0121 767 9180 - F 0121 782 6250
hranipex@hranipex.co.uk - www.hranipex.co.uk

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS08

Signal word (CLP)	: Danger
Hazardous ingredients	: diphenylmethane-2,4'-diisocyanate; 4,4'-methylenediphenyl diisocyanate
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H351 - Suspected of causing cancer.
Precautionary statements (CLP)	: P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing fume. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P308+P313 - IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

Other hazards not contributing to the classification : Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material.
The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	(CAS-No.) 101-68-8 (EC-No.) 202-966-0 (REACH-no) 01-2119457014-47		Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

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o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate	(CAS-No.) 5873-54-1 (EC-No.) 227-534-9 (REACH-no) 01-2119480143-45	< 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
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Specific concentration limits:

Name	Product identifier	Specific concentration limits
o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate	(CAS-No.) 5873-54-1 (EC-No.) 227-534-9 (REACH-no) 01-2119480143-45	(0.1 ≤ C < 100) Resp. Sens. 1, H334 (5 ≤ C < 100) STOT SE 3, H335 (5 ≤ C < 100) Skin Irrit. 2, H315 (5 ≤ C < 100) Eye Irrit. 2, H319
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	(CAS-No.) 101-68-8 (EC-No.) 202-966-0 (REACH-no) 01-2119457014-47	(0.1 ≤ C < 100) Resp. Sens. 1, H334 (5 ≤ C < 100) STOT SE 3, H335 (5 ≤ C < 100) Skin Irrit. 2, H315 (5 ≤ C < 100) Eye Irrit. 2, H319

Comments : Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
Note 2: The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the preparation.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In case of doubt or persistent symptoms, consult always a physician. If possible, show him this sheet. Failing this, show him the packaging or label.

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If breathing is difficult, give oxygen. If breathing difficulties persist : Call a doctor.

First-aid measures after skin contact : In case the melted product gets on skin, cool immediately with cold water. . Do not pull solidified product away from the skin. Wash skin with plenty of water and soap. If symptoms persist call a doctor.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an eye specialist.

First-aid measures after ingestion : Do NOT induce vomiting. Seek medical attention immediately.

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

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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 : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Strong water jet.

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5.2. Special hazards arising from the substance or mixture

- Reactivity in case of fire : On heating : release of (highly) toxic gases/vapours. Reacts violently with hot water: pressure rise and possible bursting of container.
- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Nitrogen oxides. Isocyanates. Hydrogen cyanide.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate the danger area. Fight fire with normal precautions from a reasonable distance. Get the package away from the fire if this can be done without risk. Cool down the containers/equipment exposed to heat with a water spray. Ensure that there is no direct contact between the water and the product. Do not allow water to enter the vessels, a violent reaction may occur. On exposure to high temperature, may decompose, releasing toxic gases. Do not breathe fumes from fires or vapours from decomposition. Keep upwind.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. Prevent unauthorised access. Avoid any direct contact with the product. Do not touch or walk on the spilled product. Stop leaks if it can be done without personal risk.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow product to spread into the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Leave the product to solidify. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Reacts with water. Never introduce water or any aqueous agent into tanks or containers.
- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Ensure adequate air ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from : Incompatible products. Keep container closed when not in use. Keep away from food, drink and animal feeding stuffs. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in dry, cool, well-ventilated area. Store in original container. Keep in properly labelled containers. . Keep container tightly closed to prevent moisture pick-up. Protect from heat and direct sunlight. Store locked up.
Incompatible products	: Strong acids. Strong bases. Water. Amines. Alcohols.
Information on mixed storage	: Storage class 13

7.3. Specific end use(s)

Polyurethane hot melt adhesives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

4,4'-methylenediphenyl diisocyanate (101-68-8) / diphenylmethane-2,4'-diisocyanate (5873-54-1)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal	50 mg/kg bodyweight/day
Acute - systemic effects, inhalation	1 mg/m ³
Acute - local effects, dermal	28.7 mg/cm ²
Long-term - systemic effects, inhalation	0.05 mg/m ³
Long-term - local effects, inhalation	0.05 mg/m ³

PNEC (Water)

PNEC aqua (freshwater)	> 1 mg/l
PNEC aqua (marine water)	> 0.1 mg/l

PNEC (Soil)

PNEC soil	> 1 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	> 1 mg/kg KW
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8.2. Exposure controls

Appropriate engineering controls:

Provide adequate general and local exhaust ventilation. Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment:

Wear recommended personal protective equipment. Avoid all unnecessary exposure.

Hand protection:

Impermeable protective gloves. Contaminated gloves must be decontaminated and disposed of.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Chloroprene rubber (CR)	6 (> 480 minutes)	>0.5 mm	x	EN 374
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35 mm	x	EN 374
Disposable gloves	Butyl rubber	6 (> 480 minutes)	>0.5 mm	x	EN 374
Disposable gloves	Fluoroelastomer (FKM)	6 (> 480 minutes)	>0.4 mm	x	EN 374

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Eye protection:

tightly fitting safety goggles. EN 166

Skin and body protection:

Impervious protective suit with gloves, boots, and full head and face protection must be worn

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Gas mask with filter type	A1	In case of insufficient ventilation, accident, fire, etc	EN 14387

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use. Immediately remove contaminated clothing or footwear. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: > 250 °C
Auto-ignition temperature	: Not applicable
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	: Not applicable
Density	: 1.2 g/cm ³
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 45833.333 mm ² /s
Viscosity, dynamic	: 55000 mPa·s (140 °C)
Explosive properties	: No data available
It does not have oxidising properties	: No data available
Explosion limits	: Not applicable

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Water, alcohols, amines.

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10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Exothermic reaction on contact with : Amines. alcohols. Reacts on contact with water releasing carbon dioxide (CO₂). Never introduce water or any aqueous agent into tanks or containers. Closed containers may generate internal gas pressure. pressure rise and possible bursting of container.

10.4. Conditions to avoid

Water, humidity. High temperature. Do not expose to temperatures above 200° C.

10.5. Incompatible materials

Strong bases. Strong acids. Amines. Alcohols. Water.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

4,4'-methylenediphenyl diisocyanate / diphenylmethane-2,4'-diisocyanate (5873-54-1)

LD50 oral rat	> 2000 mg/kg Directive 84/449/EEC, B.1
LD50 dermal rabbit	> 9400 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 2.24 mg/l OECD 403

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic	45833.333 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
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Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

4,4'-methylenediphenyl diisocyanate / diphenylmethane-2,4'-diisocyanate (5873-54-1)

LC50 fish 1	> 1000 mg/l (OECD 203) Danio rerio (zebra fish)
EC50 Daphnia 1	> 1000 mg/l (OECD 202) (Daphnia Magna)
EC50 72h algae (1)	> 1640 mg/l (OECD 201) (Scenedesmus subspicatus)
NOEC (chronic)	> 10 mg/l 21d Daphnia Magna, OECD TG202

12.2. Persistence and degradability

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Persistence and degradability : No information available.

4,4'-methylenediphenyl diisocyanate / diphenylmethane-2,4'-diisocyanate (5873-54-1)

Persistence and degradability	The product is not biodegradable.
Biodegradation	0 % (OECD 302 C)

12.3. Bioaccumulative potential

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Bioaccumulative potential : No information available.

12.4. Mobility in soil

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Ecology - soil : No information available.

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component

o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate (5873-54-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : Not known.
Additional information : Do not discharge into drains or the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not dispose of waste into sewer.
Product/Packaging disposal recommendations : Dispose of at authorized waste collection point.

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Ecology - waste materials	: Avoid release to the environment.
HP Code	: HP7 - "Carcinogenic:" waste which induces cancer or increases its incidence HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

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)

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on
56.	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate
56(a)	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate
56(b)	o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate

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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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 (CLP)

VOC content : 0 %

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	
1.1	Name	Modified	
5.1	Unsuitable extinguishing media	Modified	
5.1	Suitable extinguishing media	Modified	
7.2	Information on mixed storage	Added	
7.2	Storage conditions	Modified	
9.1	Colour	Modified	
9.1	Viscosity, dynamic	Modified	
9.1	Density	Modified	

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
SDS	Safety Data Sheet
DNEL	Derived-No Effect Level
PNEC	Predicted No-Effect Concentration
LC50	Median lethal concentration
LD50	Median lethal dose

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EC50	Median effective concentration
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

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 (CLP). Dissemination portal ECHA <https://echa.europa.eu/cs/search-for-chemicals>. SDS DURA-PUR UH 6156, Date 26.11.2019.

Training advice : Provide SDS to employees. Follow general rules on handling chemical substances and/or mixtures. Safety training for chemicals handling.

Other information : SDS was treated by EcoMole LTD. www.ecomole.com.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method

SDS EU (REACH Annex II)

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.