

# AZ 247-25 RTH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Date of issue: 15/09/2021 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : AZ 247-25 RTH  
UFI : 4UX2-W078-K00H-UVQM  
Product code : AZ 247-25 RTH NI

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Thermal Efficient PU For Aluminium Fenestration Products

##### 1.2.2. Uses advised against

No additional information available

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

Azon UK Ltd  
Bock C-Unit C14-15, Duffryn Park  
1 Alder Avenue, Dyffryn Business Park  
Hengoed  
CF82 7TW  
United Kingdom  
Telephone: + 44 (0) 01443 814657  
E-mail: info@azonuk.com

#### 1.4. Emergency telephone number

Emergency number : +44 1443 814657 (Office hours only, English language only)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

### SECTION 2: Hazards identification

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

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

Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS09

Signal word (CLP) :

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Hazard statements (CLP) :

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P273 - Avoid release to the environment.

P391 - Collect spillage.

P501 - Dispose of contents and container to an authorised waste collection point.

## 2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## 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]
Diethylene glycol	CAS-No.: 111-46-6 EC No.: 203-872-2 EC index No.: 603-140-00-6 REACH-no: 01-2119457857-21-XXXX	10 - < 15	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg)
diethylmethylbenzenediamine	CAS-No.: 68479-98-1 EC No.: 270-877-4 REACH-no: 01-2119486805-25-XXXX	1 - 5	Acute Tox. 4 (Oral), H302 (ATE=738 mg/kg) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg) Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylene glycol	CAS-No.: 107-21-1 EC No.: 203-473-3 EC index No.: 603-027-00-1 REACH-no: 01-2119456816-28-XXXX	3 - < 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg) STOT RE 2, H373

Full text of H- and EUH-statements: see section 16

## 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. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Remove to fresh air, keep the patient warm and at rest. If symptoms develop, obtain medical attention.

First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. Obtain immediate medical attention.

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

Symptoms/effects after skin contact	: May cause slight irritation to the skin.
Symptoms/effects after eye contact	: May cause slight irritation to eyes.
Symptoms/effects after ingestion	: Ingestion may cause discomfort. May cause stomach pain or vomiting if ingested.

#### 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	: Carbon dioxide. Dry chemical. For large fire: Water spray.
Unsuitable extinguishing media	: Do not use water jet.

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

Fire hazard	: Not flammable. Will burn if heated.
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide. Nitrogen oxides.

#### 5.3. Advice for firefighters

Firefighting instructions	: Cool closed containers exposed to fire with water spray. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: As in any fire, wear self-contained breathing apparatus and full protective gear.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate area. Avoid inhalation of vapours. Avoid contact with eyes, skin and clothing. Evacuate unnecessary personnel.
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##### 6.1.2. For emergency responders

Protective equipment	: Use personal protective equipment as required. See Section 8.
Emergency procedures	: Ventilate area. Avoid inhalation of vapours. Avoid contact with eyes, skin and clothing.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

For containment	: Stop leak, if possible without risk. Dam up the liquid spill.
Methods for cleaning up	: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

#### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide good ventilation in process area to prevent formation of vapour.
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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off contaminated clothing and wash it before reuse.

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

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Special Sensitivity - Opened containers should be protected with a dry air or nitrogen padding. A drierrite or silica gel drying system on the vents can also be used. Protect from moisture.

Incompatible materials : Strong oxidising agents. Strong alkalis. Strong acids. Copper. Copper alloys. zinc. Avoid unintended contact with Isocyanates.

Storage temperature : -18 – 30 °C Do not exceed 49°C

**7.3. Specific end use(s)**

Thermal Efficient PU For Aluminium Fenestration Products.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.1.1. National occupational exposure and biological limit values**

<b>Diethylene glycol (111-46-6)</b>	
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Diethylene glycol
OEL (8 hours ref) (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
OEL TWA [2]	23 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	2,2'-Oxydiethanol
WEL TWA (mg/m <sup>3</sup> )	101 mg/m <sup>3</sup>
WEL TWA (ppm)	23 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Ethylene glycol (107-21-1)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Ethylene glycol
IOELV TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
IOELV TWA (ppm)	20 ppm
IOELV STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
IOELV STEL (ppm)	40 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Ethane-1,2-diol, particulate
OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> 52 mg/m <sup>3</sup>
OEL TWA [2]	20 ppm
OEL (15 min ref) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
OEL STEL [ppm]	40 ppm

<b>Ethylene glycol (107-21-1)</b>	
Notes (IE)	Sk, IOELV
Regulatory reference	Chemical Agents Code of Practice 2020
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Ethane-1,2-diol
WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> particulate 52 mg/m <sup>3</sup> vapour
WEL TWA (ppm)	20 ppm vapour
WEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> vapour
WEL STEL (ppm)	40 ppm vapour
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

<b>Diethylene glycol (111-46-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	43 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44 mg/m <sup>3</sup>
Long-term - local effects, inhalation	60 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, inhalation	12 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	21 mg/kg bodyweight/day
Long-term - local effects, inhalation	12 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	10 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	20.9 mg/kg dwt
PNEC sediment (marine water)	2.09 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	1.53 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	199.5 mg/l
<b>Ethylene glycol (107-21-1)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	106 mg/kg bodyweight/day
Long-term - local effects, inhalation	35 mg/m <sup>3</sup>

<b>Ethylene glycol (107-21-1)</b>	
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, dermal	53 mg/kg bodyweight/day
Long-term - local effects, inhalation	7 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	10 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC aqua (intermittent, marine water)	10 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	37 mg/kg dwt
PNEC sediment (marine water)	3.7 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	1.53 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	199.5 mg/l
<b>diethylmethylenediamine (68479-98-1)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.13 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0.1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.1 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.0005 mg/l
PNEC aqua (marine water)	0.00005 mg/l
PNEC aqua (intermittent, freshwater)	0.005 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.029 mg/kg dwt
PNEC sediment (marine water)	0.0029 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	5.6 µg/kg dw
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	2 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	17 mg/l

#### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide good ventilation in process area to prevent formation of vapour. Ensure exposure is below occupational exposure limits (where available). Local exhaust ventilation (LEV) may be required to control inhalation exposure.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear safety glasses with side shields. Standard EN 166 - Personal eye-protection.

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Long-sleeved protective clothing

##### Hand protection:

Wear protective gloves if skin contact is possible. Standard EN 374 - Protective gloves against chemicals. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

##### Thermal hazard protection:

Not required for normal conditions of use.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

#### Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Dark purple to black.
Appearance	: Liquid.
Odour	: slight.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 240 °C
Flammability	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: 131 °C (closed cup)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Water: Slightly miscible
Log Kow	: Not available
Vapour pressure	: < 1 mbar (20°C)
Vapour pressure at 50 °C	: 6 mbar

Density	: Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

Bulk density : 8.96 lb/gal

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

High temperature. Protect from moisture.

### 10.5. Incompatible materials

Strong oxidising agents. Strong alkalis. Strong acids. Copper alloys. copper. Zinc. Avoid unintended contact with Isocyanates.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

#### Diethylene glycol (111-46-6)

LD50 dermal, rabbit	13300 mg/kg
LC50 inhalation, rat (mg/l)	> 4.6 mg/l - 4 Hours (aerosol)

#### Ethylene glycol (107-21-1)

LD50 oral, rat	7712 mg/kg
LD50 dermal	> 3500 mg/kg (mouse)
LC50 inhalation, rat (mg/l)	> 2.5 mg/l - 6 Hours (mist)



<b>diethylmethylenediamine (68479-98-1)</b>	
LD50 oral, rat	738 mg/kg
LD50 dermal, rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

<b>Ethylene glycol (107-21-1)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

<b>diethylmethylenediamine (68479-98-1)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: No additional information available
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### 11.2.2. Other information

Potential adverse human health effects and symptoms	: May cause slight irritation to the skin, May cause slight irritation to eyes, Ingestion may cause discomfort, May cause stomach pain or vomiting if ingested
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## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

<b>Diethylene glycol (111-46-6)</b>	
LC50 fish	75200 mg/l - 96 Hours (Pimephales promelas)
EC50 Daphnia	> 10000 mg/l - 24 Hours (Daphnia magna)

<b>Ethylene glycol (107-21-1)</b>	
LC50 fish	> 72860 mg/l - 96 Hours (Pimephales promelas)(EPA 600/4-90/027)
EC50 Daphnia	> 100 mg/l - 48 Hours (Daphnia magna)(OECD 202 method)
EC50 72h - Algae [1]	> 100 mg/l - 72 Hours (Scenedesmus quadricauda)

<b>diethylmethylenediamine (68479-98-1)</b>	
LC50 fish	200 mg/l - 48 Hours (Leuciscus idus)
EC50 Daphnia	0.5 mg/l - 48 Hours (Daphnia magna)

<b>diethylmethylenediamine (68479-98-1)</b>	
ErC50 algae	104 mg/l - 72 Hours (Desmodesmus subspicatus)
NOEC chronic algae	54 mg/l - 72 Hours (Desmodesmus subspicatus)

## 12.2. Persistence and degradability

<b>AZ 247-25 RTH</b>	
Persistence and degradability	No information available.
<b>Ethylene glycol (107-21-1)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	90 – 100 % - 10 days (OECD 301A method)

## 12.3. Bioaccumulative potential

<b>AZ 247-25 RTH</b>	
Bioaccumulative potential	No information available.
<b>Diethylene glycol (111-46-6)</b>	
Log Pow	-1.98
<b>Ethylene glycol (107-21-1)</b>	
Log Pow	-1.36 (25 °C)
<b>diethylmethylenediamine (68479-98-1)</b>	
BCF - Fish [1]	2.75 l/kg
Log Pow	1.38

## 12.4. Mobility in soil

<b>AZ 247-25 RTH</b>	
Ecology - soil	No information available.
<b>Diethylene glycol (111-46-6)</b>	
Log Koc	0
<b>Ethylene glycol (107-21-1)</b>	
Log Koc	0 (QSAR)
<b>diethylmethylenediamine (68479-98-1)</b>	
Log Koc	2.74

## 12.5. Results of PBT and vPvB assessment

<b>AZ 247-25 RTH</b>	
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. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. The correct waste code must be determined by the producer of the waste, based on how the waste has been produced.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number or ID number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: UN 3082
UN-No. (IATA)	: UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (diethylmethylbenzenediamine)
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine), 9, III, (-)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine), 9, III, MARINE POLLUTANT
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (diethylmethylbenzenediamine), 9, III

### 14.3. Transport hazard class(es)

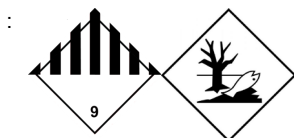
#### ADR

Transport hazard class(es) (ADR)	: 9
Hazard labels	: 9



#### IMDG

Transport hazard class(es) (IMDG)	: 9
Danger labels (IMDG)	: 9



#### IATA

Transport hazard class(es) (IATA)	: 9
Danger labels (IATA)	: 9



#### 14.4. Packing group

Packing group : III  
Packing group (IMDG) : III  
Packing group (IATA) : III

#### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Tunnel restriction code (ADR) : -

##### Transport by sea

No data available

##### Air transport

No data available

#### 14.7. Maritime transport in bulk according to IMO instruments

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

##### EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3.	AZ 247-25 RTH ; Diethylene glycol ; Ethylene glycol ; diethylmethylbenzenedia mine	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
3(b)	Diethylene glycol ; Ethylene glycol ; diethylmethylbenzenedia mine	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	AZ 247-25 RTH ; diethylmethylbenzenedia mine	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

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

##### 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

### Abbreviations and acronyms

ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route)
BCF (Bioconcentration factor)
CAS (Chemical Abstracts Service) number
CLP (Classification, Labeling and Packaging)
DNEL (Derived No Effect Level)
EC (European Community)
EC50 (Effective Concentration 50%)
EN (European Norm)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IBC (Intermediate Bulk Container)
IMDG (International Maritime Dangerous Goods Code)
IOELV (Indicative Occupational Exposure Limit)
Koc (Soil adsorption coefficient)
LC50 (Lethal Concentration 50%)
LD50 (Lethal Dose 50%)
OECD (Organisation for Economic Co-operation and Development)
OEL (Occupational exposure limit)
NOEC (No Observed Effect Concentration)
PBT (Persistent, Bioaccumulative and Toxic)
PNEC (Predicted No Effect Concentration)
QSAR (Quantitative Structure-Activity Relationship)
REACH (Registration, Evaluation and Authorisation of CHemicals)
SCOEL (Scientific Committee on Occupational Exposure Limits)
STEL (Short Term Exposure Limit)
STP (Sewage treatment plant)
TWA (Time Weighted Average)
UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
UVCB (Unknown or Variable composition, Complex reaction products or Biological materials)
vPvB (very Persistent and very Bioaccumulative)
WAF (Water Accommodated Fraction)

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.
Other information	: Classification procedure according to Regulation (EC) No. 1272/2008 [CLP]: Physical hazards: On basis of test data. Health hazards: Calculation method. Environmental hazards: Calculation method.

### Full text of H- and EUH-statements

<b>Acute Tox. 4 (Dermal)</b>	Acute toxicity (dermal), Category 4
<b>Acute Tox. 4 (Oral)</b>	Acute toxicity (oral), Category 4
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment — Acute Hazard, Category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 2
<b>Eye Irrit. 2</b>	Serious eye damage/eye irritation, Category 2
<b>STOT RE 2</b>	Specific target organ toxicity — Repeated exposure, Category 2
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H319</b>	Causes serious eye irritation.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H411</b>	Toxic to aquatic life with long lasting effects.

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