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**4.1. Description of first aid measures****General information**

Move victim to fresh air. Put victim at rest and keep warm. Do not leave affected person unattended.

**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water and soap. Seek medical attention if problems persist.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Rinse mouth thoroughly with water.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Atomized water.

**Unsuitable extinguishing media**

High power water jet.

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

Heating causes rise in pressure with risk of bursting.

**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment. Provide adequate ventilation. Keep away from unprotected people. Keep upwind. High slip hazard because of leaking or spilled product. Remove all sources of ignition. Avoid contact with eyes. Avoid contact with skin.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****Other information**

Provide adequate ventilation. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by

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technical means. Handle and open container with care. High slip hazard because of leaking or spilled product.

**Advice on protection against fire and explosion**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Flammable vapours can accumulate in head space of closed systems. Do not spray on naked flames or any incandescent material.

**Advice on general occupational hygiene**

Wash hands before breaks and after work.

**Further information on handling**

Avoid oil mist

Use only in well-ventilated areas.

When using do not eat, drink or smoke.

**7.2. Conditions for safe storage, including any incompatibilities**
**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

storage temperature: 15 - 35 °C. Do not store at temperatures over: 50 °C

**Hints on joint storage**

Do not store together with: Food and fodder additive

Maximum period of storage (time): 2 years

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

No information available.

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
122-39-4	Diphenylamine	-	10		TWA (8 h)	
		-	20		STEL (15 min)	

**8.2. Exposure controls**

**Individual protection measures, such as personal protective equipment**
**Hand protection**

Protect skin by using skin protective cream.

Wash hands before breaks and after work.

**Skin protection**

Only wear fitting, comfortable and clean protective clothing. Chemical resistant safety shoes. Take off immediately all contaminated clothing.

Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

**Respiratory protection**

Do not breathe gas/fumes/vapour/spray.

With correct and proper use, and under normal conditions, breathing protection is not required.

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**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	light yellow
Odour:	characteristic

	Test method
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not applicable
Flash point:	180 °C
pH-Value:	not applicable
Viscosity / kinematic: (at 40 °C)	21 mm <sup>2</sup> /s ASTM D 1298
Water solubility:	insoluble
Density (at 20 °C):	0,9 g/cm <sup>3</sup> ASTM D 7042

**9.2. Other information**
**Information with regard to physical hazard classes**
**Explosive properties**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**Other safety characteristics**

Solvent content: 0,0%

**SECTION 10: Stability and reactivity**
**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container.

**10.5. Incompatible materials**

Oxidizing agents.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic.

**Further information**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**SECTION 11: Toxicological information**
**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l



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#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.  
no danger of sensitization.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

##### Other information

No information available.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No further relevant information available.

#### 12.2. Persistence and degradability

No further relevant information available.

#### 12.3. Bioaccumulative potential

No further relevant information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Further information

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Dispose of this material and its container to hazardous or special waste collection point.

##### List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### List of Wastes Code - contaminated packaging

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150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**SECTION 14: Transport information**
**Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
 Hazard label: 2.2



Classification code: 5A  
 Special Provisions: 190+327+344+625  
 Limited quantity: LQ2  
 Excepted quantity: E0  
 Transport category: 3  
 Tunnel restriction code: E

**Other applicable information (land transport)**

Special provisions: 190 625  
 Special provisions: CV9 CV12 V14 MP 9 PP87 RR 6 L2

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
 Hazard label: 2.2



Classification code: 5A  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2, see SP63

Marine pollutant: •  
 Limited quantity: See SP277  
 Excepted quantity: E0  
 EmS: F-D, S-U

**Other applicable information (marine transport)**

Special provisions: 63, 190, 277, 327, 959  
 E0

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**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number or ID number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS, non-flammable
<b>14.3. Transport hazard class(es):</b>	2.2
Hazard label:	2.2



Special Provisions:	A98 A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

**Other applicable information (air transport)**

E0  
: Y203  
: Forbidden

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Personal protection equipment: see section 8

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):  
Entry 3, Entry 75

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

**SECTION 16: Other information**
**Changes**

This data sheet contains changes from the previous version in section(s): 2,4,6,7,8,9,11,12,13,14.

**Abbreviations and acronyms**

Aerosol: Aerosols  
Acute Tox: Acute toxicity  
STOT RE: Specific target organ toxicity - repeated exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard

**Relevant H and EUH statements (number and full text)**

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Pressurised container: May burst if heated.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*