

**SAFETY DATA SHEET****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name or designation of the mixture	VALVE PACK 12
Registration number	-
Synonyms	None.
Product code	901-0022
Issue date	19-August-2013
Version number	00
Revision date	19-August-2013
Supersedes date	-

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

Identified uses	Industrial Leak Sealant.
Uses advised against	None known.

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

Manufacturer/Supplier	Team Industrial Services, Inc.
Address	Postbus 37 4380 AA Vlissingen 3237 The Netherlands
Telephone	+31 (0) 118 48 58 00
Fax	+31 (0) 118 48 58 86
e-mail	Not available.
Contact person	Not available.

1.4. Emergency telephone number	+(61)-290372994, +1 703-527-3887
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**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC as amended**

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

**Classification according to Regulation (EC) No 1272/2008 as amended**

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

**Hazard summary**

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Main symptoms	Direct contact with eyes may cause temporary irritation. Defats the skin.

**2.2. Label elements****Label according to Regulation (EC) No. 1272/2008 as amended**

Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.

**Precautionary statements**

Prevention	Observe good industrial hygiene practices.
Response	Wash thoroughly after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information	Not applicable.
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2.3. Other hazards	Not a PBT or vPvB substance or mixture.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Graphite dust	25-50	7782-42-5 231-955-3	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Molybdenum disulphide	25-50	1317-33-5 215-263-9	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Synthetic hydrocarbons	10-25	None established	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Carbon fiber	5-10	7440-44-0 231-153-3	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

#### Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## SECTION 4: First aid measures

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 4.1. Description of first aid measures

##### Inhalation

Remove victim to fresh air. Get medical attention if symptoms persist.

##### Skin contact

Wash area with soap and water. Get medical attention if irritation develops or persists.

##### Eye contact

Flush thoroughly with water. If irritation occurs, get medical assistance.

##### Ingestion

Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

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

Direct contact with eyes may cause temporary irritation. Defats the skin.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

#### General fire hazards

The product is not flammable. Will burn if involved in a fire.

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water spray, foam, dry powder or carbon dioxide.

##### Unsuitable extinguishing media

No restrictions known.

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

During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Special fire fighting procedures

Use standard firefighting procedures and consider the hazards of other involved materials. Cool material exposed to heat with water spray and remove it if no risk is involved.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Avoid inhalation of vapours and contact with skin and eyes.

#### For emergency responders

Use personal protection as recommended in section 8 of the SDS.

### 6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

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

Collect and dispose of spillage as indicated in section 13 of the SDS.

### 6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Observe good industrial hygiene practices.

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

Store in closed original container in a dry place.

### 7.3. Specific end use(s)

Industrial Leak Sealant.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria. MAK List

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	MAK	5 mg/m <sup>3</sup>	Respirable dust.
	STEL	10 mg/m <sup>3</sup>	Respirable dust.
Graphite dust (CAS 7782-42-5)	MAK	5 mg/m <sup>3</sup>	Respirable dust.
	STEL	10 mg/m <sup>3</sup>	Respirable dust.
Molybdenum disulphide (CAS 1317-33-5)	MAK	10 mg/m <sup>3</sup>	Inhalable fraction.
	STEL	20 mg/m <sup>3</sup>	Inhalable fraction.

##### Belgium. Exposure Limit Values.

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Graphite dust (CAS 7782-42-5)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Molybdenum disulphide (CAS 1317-33-5)	TWA	10 mg/m <sup>3</sup>	
OIL MIST (MINERAL) (CAS SEQ100910)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
Graphite dust (CAS 7782-42-5)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
Molybdenum disulphide (CAS 1317-33-5)	TWA	10 mg/m <sup>3</sup>	
OIL MIST (MINERAL) (CAS SEQ100910)	TWA	5 mg/m <sup>3</sup>	

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

Components	Type	Value
Carbon fiber (CAS 7440-44-0)	TWA	10 mg/m3
Graphite dust (CAS 7782-42-5)	TWA	10 mg/m3

**Czech Republic. OELs. Government Decree 361**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	10 mg/m3	Total dust.
Graphite dust (CAS 7782-42-5)	TWA	10 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
		10 mg/m3	Respirable dust.
Molybdenum disulphide (CAS 1317-33-5)	Ceiling	25 mg/m3	
	TWA	5 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Denmark. Exposure Limit Values**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TLV	2,5 mg/m3	Respirable.
Graphite dust (CAS 7782-42-5)	TLV	2,5 mg/m3	Respirable.
Molybdenum disulphide (CAS 1317-33-5)	TLV	10 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	TLV	1 mg/m3	Mist.

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	3 mg/m3	Dust.
Graphite dust (CAS 7782-42-5)	TWA	5 mg/m3	Dust.
Molybdenum disulphide (CAS 1317-33-5)	TWA	5 mg/m3	Respirable dust.
		5 mg/m3	
		10 mg/m3	Total dust.

**Finland. Workplace Exposure Limits**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	
Graphite dust (CAS 7782-42-5)	TWA	2 mg/m3	
Molybdenum disulphide (CAS 1317-33-5)	TWA	0,5 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	TWA	5 mg/m3	Mist.

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	VME	2 mg/m3	Respirable fraction.
Graphite dust (CAS 7782-42-5)	VME	2 mg/m3	Respirable fraction.
Molybdenum disulphide (CAS 1317-33-5)	VLE	10 mg/m3	
	VME	5 mg/m3	

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
Graphite dust (CAS 7782-42-5)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	AGW	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Graphite dust (CAS 7782-42-5)	AGW	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.

**Greece. OELs (Decree No. 90/1999, as amended)**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable
Graphite dust (CAS 7782-42-5)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable
Molybdenum disulphide (CAS 1317-33-5)	TWA	15 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	TWA	5 mg/m3	Mist.

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value	Form
Molybdenum disulphide (CAS 1317-33-5)	STEL	60 mg/m3	
	TWA	15 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	Ceiling	5 mg/m3	Mist.

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	5 mg/m3	Total dust.
		2,5 mg/m3	Respirable dust.
Graphite dust (CAS 7782-42-5)	TWA	5 mg/m3	Total dust.
		2,5 mg/m3	Respirable dust.
Molybdenum disulphide (CAS 1317-33-5)	TWA	10 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	TWA	1 mg/m3	Mist.

**Ireland. Occupational Exposure Limits**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Graphite dust (CAS 7782-42-5)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Molybdenum disulphide (CAS 1317-33-5)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
OIL MIST (MINERAL) (CAS SEQ100910)	TWA	0,2 mg/m3	Inhalable fraction.

**Italy**

Components	Type	Value	Form
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Molybdenum disulphide (CAS 1317-33-5)	TWA	10 mg/m3	Inhalable fraction.
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**Italy. OELs**

Components	Type	Value	Form
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Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.
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Graphite dust (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
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Molybdenum disulphide (CAS 1317-33-5)	TWA	3 mg/m3	Respirable fraction.
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OIL MIST (MINERAL) (CAS SEQ100910)	TWA	10 mg/m3	Inhalable fraction.
		5 mg/m3	Inhalable fraction.

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value	Form
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Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Dust.
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Graphite dust (CAS 7782-42-5)	TWA	2 mg/m3	Dust.
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OIL MIST (MINERAL) (CAS SEQ100910)	TWA	5 mg/m3	
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**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)**

Components	Type	Value	Form
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Carbon fiber (CAS 7440-44-0)	TWA	3 mg/m3	Dust.
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Graphite dust (CAS 7782-42-5)	TWA	3 mg/m3	Dust.
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Molybdenum disulphide (CAS 1317-33-5)	TWA	5 mg/m3	Respirable fraction.
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OIL MIST (MINERAL) (CAS SEQ100910)	STEL	10 mg/m3	Inhalable fraction.
		3 mg/m3	Fume and mist.

	TWA	1 mg/m3	Fume and mist.
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**Netherlands. OELs (binding)**

Components	Type	Value	Form
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OIL MIST (MINERAL) (CAS SEQ100910)	TWA	5 mg/m3	Mist.
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**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value	Form
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Carbon fiber (CAS 7440-44-0)	TLV	2 mg/m3	Respirable dust.
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Graphite dust (CAS 7782-42-5)	TLV	10 mg/m3	Total dust.
		2 mg/m3	Respirable dust.

Molybdenum disulphide (CAS 1317-33-5)	TLV	10 mg/m3	Total dust.
		10 mg/m3	

OIL MIST (MINERAL) (CAS SEQ100910)	TLV	1 mg/m3	Mist.
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**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
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Carbon fiber (CAS 7440-44-0)	TWA	4 mg/m3	Total dust.
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Graphite dust (CAS 7782-42-5)	TWA	1 mg/m3	Respirable dust.
		4 mg/m3	Total dust.

		1 mg/m3	Respirable dust.
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**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
Molybdenum disulphide (CAS 1317-33-5)	STEL	10 mg/m3	
	TWA	4 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Portugal**

Components	Type	Value	Form
Molybdenum disulphide (CAS 1317-33-5)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.
Graphite dust (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
Molybdenum disulphide (CAS 1317-33-5)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
OIL MIST (MINERAL) (CAS SEQ100910)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value	Form
Molybdenum disulphide (CAS 1317-33-5)	STEL	10 mg/m3	
	TWA	5 mg/m3	
OIL MIST (MINERAL) (CAS SEQ100910)	STEL	10 mg/m3	
	TWA	5 mg/m3	

**Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents**

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.
		10 mg/m3	Total
Graphite dust (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
		10 mg/m3	Total
Molybdenum disulphide (CAS 1317-33-5)	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
OIL MIST (MINERAL) (CAS SEQ100910)	TWA	1 mg/m3	Fume and mist.
		5 ppm	Fume and mist.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value	Form
Molybdenum disulphide (CAS 1317-33-5)	TWA	5 mg/m3	Inhalable fraction.

**Spain**

Components	Type	Value	Form
Molybdenum disulphide (CAS 1317-33-5)	TWA (VLA-ED)	10 mg/m3	

### Spain. Occupational Exposure Limits

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Dust.
Graphite dust (CAS 7782-42-5)	TWA	2 mg/m3	Dust.
OIL MIST (MINERAL) (CAS SEQ100910)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

### Sweden. Occupational Exposure Limit Values

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	0,2 fibers/mL	
		5 mg/m3	Total dust.
Graphite dust (CAS 7782-42-5)	TWA	0,2 fibers/mL	
		5 mg/m3	Total dust.
Molybdenum disulphide (CAS 1317-33-5)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
OIL MIST (MINERAL) (CAS SEQ100910)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.

### Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	5 mg/m3	Inhalable dust.
		2,5 mg/m3	Respirable dust.
Graphite dust (CAS 7782-42-5)	TWA	5 mg/m3	Inhalable dust.
		2,5 mg/m3	Respirable dust.
Molybdenum disulphide (CAS 1317-33-5)	TWA	10 mg/m3	Inhalable dust.

### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Graphite dust (CAS 7782-42-5)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Molybdenum disulphide (CAS 1317-33-5)	STEL	20 mg/m3	
	TWA	10 mg/m3	

### United Kingdom

Components	Type	Value
Molybdenum disulphide (CAS 1317-33-5)	STEL	20 mg/m3
	TWA	10 mg/m3

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no-effect level (DNEL)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

### 8.2. Exposure controls

**Appropriate engineering controls** Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust and vapours.



## Individual protection measures, such as personal protective equipment

<b>General information</b>	Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<b>Eye/face protection</b>	Risk of contact: Wear approved safety glasses or goggles.
<b>Skin protection</b>	
- <b>Hand protection</b>	Wear protective gloves.
- <b>Other</b>	Where skin contact is likely, wear chemical impervious gloves. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P1).
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
<b>Environmental exposure controls</b>	Environmental manager must be informed of all major releases.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Black pliable semi-solid. Odourless.
<b>Physical state</b>	Solid.
<b>Form</b>	Pliable semi-solid.
<b>Colour</b>	Black. <b>Odour</b> Odourless.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	140,6 °C (285,0 °F) Cleveland closed cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Slightly in water
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>9.2. Other information</b>	No relevant additional information available.

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.

<b>10.3. Possibility of hazardous reactions</b>	Will not occur.
<b>10.4. Conditions to avoid</b>	None known.
<b>10.5. Incompatible materials</b>	None known.
<b>10.6. Hazardous decomposition products</b>	None known.

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Inhalation</b>	High concentrations: May cause respiratory tract irritation.
<b>Skin contact</b>	May cause skin irritation.
<b>Eye contact</b>	May cause eye irritation.

**Symptoms** Direct contact with eyes may cause temporary irritation. Defats the skin.

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	May cause discomfort if swallowed.
<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	May cause eye irritation.
<b>Respiratory sensitisation</b>	Not available.
<b>Skin sensitisation</b>	Not available.
<b>Germ cell mutagenicity</b>	Not available.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Due to the physical form of the product it is not an aspiration hazard.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Prolonged or frequent contact may cause redness, itching and eczema/chaps.

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>12.2. Persistence and degradability</b>	No data available.
<b>12.3. Bioaccumulative potential</b>	No data available.
<b>Partition coefficient n-octanol/water (log Kow)</b>	No data available.
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	No data available.
<b>Mobility in general</b>	The product is slightly soluble in water.
<b>12.5. Results of PBT and vPvB assessment</b>	Not a PBT or vPvB substance or mixture.
<b>12.6. Other adverse effects</b>	No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose product packaging in accordance with local authority requirements taking into account characteristics of the packaging material.

<b>EU waste code</b>	08 04 10 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Recover and reclaim or recycle, if practical.

## SECTION 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not regulated.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Not regulated.

#### Other EU regulations

**Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances**

Not regulated.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Not listed.

## Directive 94/33/EC on the protection of young people at work

Not listed.

### Other regulations

The product does not need to be labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

### National regulations

Follow national regulation for work with chemical agents.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### List of abbreviations

DNEL: Derived No-Effect Level.  
PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative. DSD: Directive 67/548/EEC.  
CLP: Regulation No. 1272/2008.

### References

Not available.

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any statements or R-phrases and H-statements under Sections 2 to 15

None.

### Training information

Follow training instructions when handling this material.

### Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.