



MATERIAL SAFETY DATA SHEET

PRODUCT NUMBER: 10 98 36

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

PRODUCT: Abrasive Cut-off Wheels Type F (U/thin) 300 x 0.8 x 32m
Synonyms, Trade name No information available

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

Identified uses Abrasive product
Description: Bonded abrasive cutting and grinding wheels with abrasive grain dispersed in a rubber bond.
Uses advised against Any other purpose

1.3 Details of the supplier of the safety data sheet

SUPPLIER: METPREP LTD.
CURRIERS CLOSE
CHARTER AVENUE
COVENTRY CV4 8AW
CONTACT: sales@metprep.co.uk

1.4 Emergency telephone number

TELEPHONE: 024 7642 1222

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and chemical hazards Not classified
Human health Not classified
Environment Not classified

2.2 Label elements

Contains Not Applicable
Label in accordance with (EC) no. 1272/2008 No pictogram required
Signal word No Signal Word
Hazard statements No hazard statement required
Precautionary statements No precautionary statements required

2.3 Other hazards

Hazards not otherwise classified that have been identified during the classification process: May cause serious eye irritation.

SECTION 3 COMPOSITION / IDENTIFICATION ON INGREDIENTS

3.1 Substance Not applicable



3.2 Mixture

Name	Product identifier	Reg. EU 1272/2008	%
silicon carbide	CAS-No.: 409-21-2 EC No.: 206-991-8 REACH Reg No.: 01-2119402892-42-0000		30-80%
aluminium oxide	CAS-No.: 1344-28-1 EC No.: 215-691-6 REACH Reg No.: 01-2119529248-35-0043		30-80%
Limestone	CAS-No.: 1317-65-3 EC No.: 215-279-6		5-20%
calcium sulphate	CAS-No.: 7778-18-9 EC No.: 231-900-		3 5-15%
aluminium hydroxide	CAS-No.: 21645-51-2 EC No.: 244-492-7 REACH Reg No.: 01-2119529246-39-0008		5-15%
Kaolin	CAS-No.: 1332-58-7 EC No.: 310-194-1		5-20%
Trisodium hexafluoro aluminate	CAS-No.: 13775-53-6 EC No.: 237-410-6 Chronic 2 - H411	Acute Tox 4 - H332, Lact - H362, STOT RE 1 - H372, Aquatic	5-20%
Natural rubber	CAS-No.: 9006-04-6 EC No.: 232-689-0		4-15%
Sulphur	CAS-No.: 7704-34-9 EC No.: 231-722-6 REACH Reg No.: 01-2119487295-27-XXXX	Skin Irrit.2 - H315	1-10%
diiron trioxide	CAS-No.: 1309-37-1 EC No.: 215-168-2 REACH Reg No.: 01-2119457614-35-0051		2-15%
Calcium hydroxide	CAS-No.: 1305-62-0 EC No.: 215-137-3 REACH Reg No.: 01-2119475151-45-XXXX	Skin Irrit.2 - H315, Eye Dam. 1 - H318, STOT SE 3 - H335	<5%
Methenamine	CAS-No.: 100-97-0 EC No.: 202-905-8 REACH Reg No.: 01-2119474895-20-XXXX	Skin. Sens 1 B- H317, Flam. Sol 2- H228	0.1-1%
calcium carbonate	CAS-No.: 471-34-1 EC No.: 207-439-9		0.1-1%
Quartz (SiO ₂)	CAS-No.: 14808-60-7 EC No.: 238-878-4		0.01-0.1%

The full text for all hazard statements are displayed in section 16

Composition comments The data shown are in accordance with the latest EC Directives. The specific identity and/or Exact percentage (concentration) of composition has been withheld as a trade secret. The mixture is cured as part of the manufacturing process to form an article. Hazard data on ingredients may not be reflected in the material classification, because an ingredient may not be available for exposure, or the data may not be relevant to the finished product when used as intended.

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

General information Provide general first aid, rest, warmth, and fresh air. As a general rule in case of doubt or if symptoms persist always call a doctor. Seek medical attention for all burns and eye injuries regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.



Ingestion:	If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth, and rest. Get medical attention, never give anything by mouth to an unconscious person.
Skin contact:	Remove victim immediately from source of exposure. Remove contaminated clothing. Wash the skin immediately with water. Treat abrasion by cleaning wound with mild soap and water and covering with a clean dressing. Get medical attention if symptoms persist.
Eye contact:	Do not rub eye. If dust from use of this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. For complete risk assessment, when determining the degree of health hazard, the material being abraded must also be considered.
Inhalation	High dust levels may irritate the respiratory system. Dust from grinding may cause irritation of the respiratory system. Symptoms may include coughing, sneezing, headache, nasal discharge, hoarseness, or pain.
Ingestion	No specific symptoms noted - ingestion is not believed to be a likely route of exposure.
Skin contact	Dust created by grinding may cause irritation. Can cause mechanical irritation, abrasion or allergic skin reaction. Symptoms may include abrasion, redness, pain, and itching.
Eye contact	Dust created by grinding may cause eye irritation. Dust can cause mechanical irritation. Symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media None noted.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products Combustion products may include and are not limited to: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

Unusual fire & explosion hazards No unusual fire or explosion hazards noted.

Specific hazards Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3 Advice for firefighters

Special firefighting procedures If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots, and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of dust or vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection.

For emergency responders Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions Do not allow ANY environmental contamination.

6.3 Methods and material for containment and cleaning up

Spill clean-up methods Not relevant, product is an article.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste disposal see section 13.



SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling

For industrial use only. Use proper personal protection when handling (refer to Section 8). Always wear eye and face protection when working at or near grinding operations. Sparks or particles emitted from such operations can potentially cause injury or risk of fire - take all necessary preventative precautions. Do not use contact lenses. Avoid breathing of dust created by grinding.
 Check product for damage such as cracks or nicks prior to every use. Replace if damaged - do not use. Damaged product can break apart during use, potentially causing serious injuries. Combustible dust may form by action of this product on another material (substrate). For complete assessment, when determining the degree of hazard, the material being abraded must also be considered. Avoid generation of dust clouds and accumulation of dust in work area to reduce the risk of dust explosions.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Keep the product in its original container. Store in dry, cool, well-ventilated area.

Storage class

Unspecified storage.

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Use only according to directions.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

Component	STD	TWA (8 Hrs)	STEL (15mins)	Notes
silicon carbide	OEL	10 mg/m ³		Total inhalable dust. Ireland.
silicon carbide	OEL	4 mg/m ³		Respirable dust. Ireland.
silicon carbide	WEL	10 inhalable aerosol mg/m ³		UK.
silicon carbide	WEL	4 respirable aerosol mg/m ³		UK.
silicon carbide	OEL	10 respirable aerosol mg/m ³		France.
silicon carbide	OEL	10 inhalable aerosol mg/m ³		Spain.
silicon carbide	OEL	3 respirable aerosol mg/m ³		Spain.
silicon carbide	OEL	3 respirable aerosol mg/m ³		Switzerland.
silicon carbide	OEL	10 inhalable aerosol mg/m ³		Switzerland.
aluminium oxide	OEL	10 mg/m ³		Total inhalable dust. Ireland.
aluminium oxide	OEL	4 mg/m ³		Respirable dust. Ireland.
aluminium oxide	WEL	10 inhalable aerosol mg/m ³		UK.
aluminium oxide	WEL	4 respirable aerosol mg/m ³		UK.



aluminium oxide	OEL		10 respirable aerosol mg/m ³			French.
aluminium oxide	OEL		4 inhalable aerosol mg/m ³			Germany. (DFG).
aluminium oxide	OEL		1,5 respirable aerosol mg/m ³			Germany. (DFG).
aluminium oxide	OEL		6 respirable aerosol mg/m ³			Hungary.
aluminium oxide	OEL		2,5 (fume, total dust) mg/m ³		16 mg/m ³	Poland.
aluminium oxide	OEL		1,2 (fume, respirable dust) mg/m ³			Poland.
aluminium oxide	OEL		10 inhalable aerosol mg/m ³			Spain.
aluminium oxide	OEL		5 respirable aerosol mg/m ³			Spain.
aluminium oxide	OEL		3 respirable aerosol mg/m ³			Switzerland.
Limestone	OEL		4 mg/m ³			Total respirable dust. Ireland.
Limestone	WEL		10 inhalable aerosol mg/m ³			UK.
Limestone	WEL		4 respirable aerosol mg/m ³			UK.
Limestone	OEL		10 inhalable aerosol mg/m ³			Hungary.
Limestone	OEL		10 inhalable aerosol mg/m ³			Spain.
Limestone	OEL		3 respirable aerosol mg/m ³			Switzerland.
calcium sulfate	OEL		10 mg/m ³			Ireland.
calcium sulfate	OEL		6 respirable aerosol mg/m ³			Germany. (AGS).
calcium sulfate	OEL		4 inhalable aerosol mg/m ³			Germany.
calcium sulfate	OEL		1,5 respirable aerosol mg/m ³			Germany. (DFG).
calcium sulfate	OEL		6 respirable aerosol mg/m ³			Hungary.
calcium sulfate	OEL		10 mg/m ³			Spain.
calcium sulfate	OEL		3 respirable aerosol mg/m ³			Switzerland.
aluminium hydroxide	OEL		4 inhalable aerosol mg/m ³			Germany. (DFG).
aluminium hydroxide	OEL		1,5 respirable aerosol mg/m ³			Germany. (DFG).
aluminium hydroxide	OEL		2,5 (fume, total dust) mg/m ³			Poland.
aluminium hydroxide	OEL		1,2 (fume, respirable dust) mg/m ³			Poland.
aluminium hydroxide	OEL		3 respirable aerosol mg/m ³			Switzerland.
Kaolin	OEL		2 mg/m ³			Respirable dust. Ireland.
Kaolin	WEL		2 respirable aerosol mg/m ³			UK.
Kaolin	OEL		10 respirable aerosol mg/m ³			France.



Kaolin	OEL	3 respirable aerosol mg/m ³		Switzerland.
Natural rubber	OEL	0,001 mg/m ³		Spain.
diiron trioxide	OEL	5 mg/m ³	10 mg/m ³	Fume (as Fe). Ireland.
diiron trioxide	OEL	10 mg/m ³		Total inhalable dust. Ireland.
diiron trioxide	OEL	4 mg/m ³		Respirable dust. Ireland.
diiron trioxide	WEL	1 mg/m ³	2 mg/m ³	Iron salts (as Fe). UK.
diiron trioxide	WEL	10 inhalable aerosol mg/m ³		UK.
diiron trioxide	WEL	4 respirable aerosol mg/m ³		UK.
diiron trioxide	OEL	5 respirable aerosol mg/m ³		France.
diiron trioxide	OEL	6 respirable aerosol mg/m ³		Iron salts (as Fe), Hungary.
diiron trioxide	OEL	5 mg/m ³	10 mg/m ³	Poland.
diiron trioxide	OEL	1 mg/m ³		Iron salts (as Fe). Spain.
diiron trioxide	OEL	3 respirable aerosol mg/m ³		Switzerland.
Calcium hydroxide	OEL	5 mg/m ³		Ireland.
Calcium hydroxide	WEL	5 mg/m ³		UK.
Calcium hydroxide	OEL	5 mg/m ³		France.
Calcium hydroxide	OEL	1 (1) mg/m ³	2 (1)(2) mg/m ³	Germany. (DFG).
Calcium hydroxide	OEL	1 (1) mg/m ³	2 (1)(2) mg/m ³	Germany. (AGS).
Calcium hydroxide	OEL	5 mg/m ³		Hungary.
Calcium hydroxide	OEL	5 mg/m ³		Spain.
Calcium hydroxide	OEL	5 inhalable aerosol mg/m ³		Switzerland.
methenamine	OEL	4 mg/m ³		Poland.
calcium carbonate	WEL	10 inhalable aerosol mg/m ³		UK.
calcium carbonate	WEL	4 respirable aerosol mg/m ³		UK.
calcium carbonate	OEL	10 inhalable aerosol mg/m ³		France.
calcium carbonate	OEL	10 inhalable aerosol mg/m ³		Hungary.
calcium carbonate	OEL	10 mg/m ³		Poland.
calcium carbonate	OEL	3 respirable aerosol mg/m ³		Switzerland.
Quartz (SiO2)	OEL	0.1 mg/m ³		Respirable dust. Ireland.
Quartz (SiO2)	OEL	0,1 respirable aerosol mg/m ³		France.
Quartz (SiO2)	OEL	0,15 respirable aerosol mg/m ³		Hungary.
Quartz (SiO2)	OEL	0,1 (1) mg/m ³		Spain.
Quartz (SiO2)	OEL	0,15 respirable aerosol mg/m ³		Switzerland.



Ingredient comments

United Kingdom: Workplace Exposure Limits Guidance Note EH40/200.
Ireland: 2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
France: Valeurs limites d'exposition professionnelle aux agents chimiques en France (INRS). La VLE n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail Risque de pénétration percutanée Valeurs limites indicatives.
Germany: Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission). Ausschuss für Gefahrstoffe. TRGS 900 - Arbeitsplatzgrenzwerte.
Hungary: Annex to Decree 25/2000 (IX.30) EüM-SzCsM. Chemical Workplace APPENDIX 1: Veszélyes Materials workplace air CK and AK permissible values, or tolerated MK.
Poland: (Ordinance of the Minister of Labour and Social Policy on the maximum admissible concentrations and intensities of agents harmful to health in the working environment, Dziennik Ustaw 2002, No 217, item 1833, changes Dziennik Ustaw 2005, No 212, item 1769; Dziennik Ustaw 2007, No 161, item 1142; Dziennik Ustaw 2009, No 105, item 873; Dziennik Ustaw 2010, No 141, item 950).
Spain: Valores Limite de Exposición Profesional para Agentes Químicos 2016.
Switzerland: National Institute for Occupational Safety and Health Institute National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles.

8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149. Consider material being abraded when determining the appropriate respiratory protection. Assess exposure concentrations of materials or substances involved in the work process.

Suggested PPE: Half facepiece or full facepiece air-purifying respirator suitable for particulates. (EN149). Consult manufacturer for specific advice. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hand protection

Use gloves approved to relevant standards such as EN 388: 2003. Gloves must be inspected prior to use. Use of work gloves with a CE Level 4 abrasion rating is generally required for abrasive material handling (EN 388). Selected gloves should minimize risk of injury to skin from contact with dusts and from physical abrasion. Consult manufacturer for specific advice on material.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with dust residues.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU). Wear safety glasses with side shields or a face shield to reduce the risk of injury to eyes and face. Selection and use of personal protective equipment should be based on a risk assessment carried out by a qualified individual.

Other protection

Wear appropriate clothing to prevent skin contact. Fire/chemical resistant full-length overalls and boots. Personal protective equipment for the body should be selected based on the task being performed, and the risks involved and should be approved by a specialist before handling this product. When using abrasive products: Tie back long hair and do not wear loose clothing, ties, or jewellery.

Hygiene measures

Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When using do not eat, drink, or smoke. Wash hands after use.

Process conditions

Ensure that eye flushing systems and safety showers are located close by in the workplace.



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid abrasive article.
Colour	No information available.
Odour	No information available.
Odour threshold - lower	Not applicable.
Odour threshold - upper	Not applicable.
pH-Value, Conc. Solution	Not applicable.
pH-Value, Diluted solution	Not applicable.
Melting point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability state	Not applicable.
Flammability limit - lower(%)	Not applicable.
Flammability limit - upper(%)	Not applicable.
Vapour pressure	Not applicable.
Vapour density (air=1)	Not applicable.
Relative density	No information available.
Bulk density	No information available.
Solubility	Insoluble in water.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	Not applicable.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.
Other information	Dust deposits should not be allowed to accumulate on surfaces because of the potential for secondary explosions.

SECTION 10 STABILITY AND REACTIVITY PROPERTIES

10.1 Reactivity

Reactivity	No reactivity under normal conditions.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	Keep away from incompatibles such as oxidizing agents.
Hazardous polymerisation	Will not polymerise.
Polymerisation description	Not applicable.

10.4 Conditions to Avoid

Conditions to avoid	Dust generated from the substrate during use of this product may be explosive if in sufficient concentration with an ignition source. Avoid extremes of temperature.
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10.5 Incompatible materials

Materials to avoid	Keep away from incompatibles such as oxidizing agents.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formaldehyde, ammonia, and phenol may be released during processing (methenamine).
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SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information	Toxicological data on ingredients may not be reflected in the material classification, because an ingredient may not be available for exposure, or the data may not be relevant to the material.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Product is not classified as an eye irritant, however high dust levels in air may cause eye irritation.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	Not applicable.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	High dust levels may irritate the respiratory system. Dust from grinding may cause irritation of the respiratory system. Symptoms may include coughing, sneezing, headache, nasal discharge, hoarseness, or pain.
Ingestion	No specific symptoms noted - ingestion is not believed to be a likely route of exposure.
Skin contact	Dust created by grinding may cause irritation. Can cause mechanical irritation, abrasion or allergic skin reaction. Symptoms may include abrasion, redness, pain, and itching.
Eye contact	Dust created by grinding may cause eye irritation. Dust can cause mechanical irritation. Symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	Eyes, skin, respiratory system.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	The product contains a substance which is harmful to aquatic life with long lasting effects.
Eco toxicological information	No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability	The degradability of the product has not been stated.
Biological oxygen demands	No information available.
Chemical oxygen demands	No information available.

12.3 Bio accumulative potential

Bio accumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	Not soluble in water.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Other adverse effects

Other adverse effects None known.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods Dispose of waste and residues in accordance with local authority requirements.

SECTION 14 TRANSPORT INFORMATION

14.1 UN number

UN no. (ADR) Not applicable.

UN no. (IMDG) Not applicable.

UN no. (IATA) Not applicable.

14.2 UN proper shipping name

ADR proper shipping name Not applicable.

IMDG proper shipping name Not applicable.

IATA proper shipping name Not applicable.

14.3 Transport hazard class(es)

ADR class Not applicable.

IMDG class Not applicable.

IATA class Not applicable.

Transport labels

14.4 Packing group

ADR/RID/ADN packing group Not applicable.

IMDG packing group Not applicable.

IATA packing group Not applicable.

14.5 Environmental hazards

ADR No

IMDG No

IATA No

14.6 Special precautions for user

EMS Not applicable.

Emergency action code Not applicable.

Hazard no. (ADR) Not applicable.

Tunnel restriction code Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 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 legislation 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 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.

Approved code of practice 2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).

Chemical safety assessment No chemical safety assessment has been carried out.



SECTION 16 OTHER INFORMATION

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	21 December 2017
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H332	Harmful if inhaled.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure .
H411	Toxic to aquatic life with long lasting effects.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H228	Flammable solid.
H317	May cause an allergic skin reaction.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.