

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

Longwrap Petrolatum Tape

of the mixture

Registration number -

Synonyms None. Issue date 04-17-2015

Version number 0°

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

Identified usesNot available.Uses advised againstNone known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Chase Protective Coatings Ltd

Address A CHASE CORPORATION COMPANY

Harbour Road

Rye, East Sussex, TN31 7TE

UK

Division

Telephone General Assistance +44 (0)1797 223561

e-mail info@chaseprotectivecoatings.com

Contact person Not available.

1.4. Emergency telephone

number

Emergency Phone 44 (0)1797 223561

(M-Th 9:00-5:30; F 9:00-3:00)

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

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

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Not classified for health hazards.

Environmental hazards Not classified for hazards to the environment.

Specific hazards Not available.

Main symptoms Not available.

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 Not available.

Not available. Response Storage Not available. Not available. Disposal

Supplemental label information None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures

Inhalation Not available. Skin contact Not available. Not available. Eye contact Not available. Ingestion Not available.

4.2. Most important symptoms and effects, both acute and

delayed

Not available.

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

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing

media

Not available.

Unsuitable extinguishing

media

Not available.

Not available.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special protective

Not available.

equipment for firefighters

Special fire fighting

procedures

Not available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Not available.

For emergency responders

Not available.

6.2. Environmental precautions 6.3. Methods and material for

Not available.

containment and cleaning up

Not available.

6.4. Reference to other

Not available.

sections

SECTION 7: Handling and storage

7.1. Precautions for safe

Not available.

handling

7.2. Conditions for safe storage, including any

Not available.

incompatibilities

Not available. 7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Components	(GwV), BGBI. II, no. 184/2001 Type	Value	Form
Aluminum Oxide (CAS 1344-28-1)	MAK	5 mg/m3	Respirable fraction.
1344-20-1)		5 mg/m3	Respirable fume.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
	STEE	10 mg/m3	
			Respirable fume.
		10 mg/m3	Respirable fraction.
Diiron trioxide (CAS 309-37-1)	MAK	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
Quartz (CAS 14808-60-7)	MAK	10 mg/m3 0,15 mg/m3	Respirable fraction. Respirable dust.
Belgium. Exposure Limit Values.	IVIAIX	0, 13 mg/m3	rrespirable dust.
Components	Туре	Value	Form
Aluminum Oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Diiron trioxide (CAS	TWA	5 mg/m3	Fume.
1309-37-1)		2 ppm	Fume.
DISTILLATES	STEL	10 mg/m3	Mist.
PETROLEUM)	SIEL	10 mg/ms	IVIISt.
SOLVENT-DEWAXED			
HEAVY PARAFFINIC (CAS			
34742-65-0)			
717 12 00 0)	TWA	5 mg/m3	Mist.
Extracts, Petroleum,	STEL	10 mg/m3	Mist.
Residual Oil Solvent (CAS 64742-10-5)	SILL	10 mg/ms	IVIIST.
,	TWA	5 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Bulgaria. OELs. Regulation No 13		inst risks of exposure to chem Value	nical agents at work Form
Components	Туре	value	
<u> </u>	Type TWA		Dust.
Aluminum Oxide (CAS	TWA	10 mg/m3	Dust.
Aluminum Oxide (CAS			Dust. Respirable fraction.
Aluminum Oxide (CAS 1344-28-1)		10 mg/m3	
Aluminum Oxide (CAS 344-28-1) Diiron trioxide (CAS	TWA	10 mg/m3 1,5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA	10 mg/m3 1,5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1)	TWA	10 mg/m3 1,5 mg/m3 6 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM)	TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED	TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS	TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum,	TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS	TWA TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5)	TWA TWA TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3	Respirable fraction. Inhalable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5)	TWA TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3	Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex	TWA TWA TWA TWA	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components	TWA TWA TWA TWA TWA TWA posure Limit Values in the Wo	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar	Respirable fraction. Inhalable fraction. Respirable fraction. d 2, Narodne Novine, 13/0 Form
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS 1344-28-1)	TWA TWA TWA TWA TWA TWA Posure Limit Values in the Wo	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar	Respirable fraction. Inhalable fraction. Respirable fraction. Respirable fraction.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS	TWA TWA TWA TWA TWA TWA posure Limit Values in the Wo	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar	Respirable fraction. Inhalable fraction. Respirable fraction. d 2, Narodne Novine, 13/0 Form
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS 1344-28-1)	TWA TWA TWA TWA TWA TWA posure Limit Values in the Wo	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar Value 4 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction. 1d 2, Narodne Novine, 13/0 Form Respirable dust.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS	TWA TWA TWA TWA TWA Posure Limit Values in the Wo	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar Value 4 mg/m3 10 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction. 1d 2, Narodne Novine, 13/0 Form Respirable dust. Total dust.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA TWA TWA TWA TWA Posure Limit Values in the Wo	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar Value 4 mg/m3 10 mg/m3 5 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction. In the service of
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 134742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 134742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA TWA TWA TWA TWA posure Limit Values in the Wo Type MAC MAC	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar Value 4 mg/m3 10 mg/m3 5 mg/m3 4 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction. In the service of
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 134742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 134742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA TWA TWA TWA TWA posure Limit Values in the Wo Type MAC MAC	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar Value 4 mg/m3 10 mg/m3 5 mg/m3 4 mg/m3 10 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction. 1d 2, Narodne Novine, 13/0 Form Respirable dust. Total dust. Fume. Respirable dust. Total dust. Total dust. Total dust.
Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0) Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5) Quartz (CAS 14808-60-7) Croatia. Dangerous Substance Ex Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA TWA TWA TWA TWA posure Limit Values in the Wo Type MAC MAC	10 mg/m3 1,5 mg/m3 6 mg/m3 5 mg/m3 5 mg/m3 0,07 mg/m3 orkplace (ELVs), Annexes 1 ar Value 4 mg/m3 10 mg/m3 5 mg/m3 4 mg/m3	Respirable fraction. Inhalable fraction. Respirable fraction. In the service of

Czech Republic. OELs. Government Components	Type	Value	Form
luminum Oxide (CAS 344-28-1)	TWA	0,1 mg/m3	Respirable dust.
xtracts, Petroleum, esidual Oil Solvent (CAS 4742-10-5)	Ceiling	10 mg/m3	Aerosol.
,	TWA	5 mg/m3	Aerosol.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Penmark. Exposure Limit Values Components	Туре	Value	Form
Numinum Oxide (CAS	TLV	5 mg/m3	Total
344-28-1)	ILV		
Diiron trioxide (CAS 309-37-1)	TLV	2 mg/m3 3,5 mg/m3	Respirable.
DISTILLATES	TLV	1 mg/m3	Mist.
PETROLEUM) SOLVENT-DEWAXED IEAVY PARAFFINIC (CAS 14742-65-0)			
Extracts, Petroleum, Residual Oil Solvent (CAS 34742-10-5)	TLV	1 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m3	Total
		0,1 mg/m3	Respirable.
stonia. OELs. Occupational Expos 001)	ure Limits of Hazardous Su	bstances. (Annex of Regulation	on No. 293 of 18 Septemb
Components	Туре	Value	Form
lluminum Oxide (CAS 344-28-1)	TWA	4 mg/m3	Respirable dust.
Diiron trioxide (CAS	TWA	10 mg/m3 3,5 mg/m3	Total dust. Respirable dust.
309-37-1) Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
inland. Workplace Exposure Limits		0,1 mg/m3	respirable dust.
Components	Type	Value	Form
Diiron trioxide (CAS 309-37-1)	TWA	5 mg/m3	Fume.
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m3	Respirable.
rance. Threshold Limit Values (VLI			
Components	Туре	Value	Form
luminum Oxide (CAS 344-28-1)	VME	10 mg/m3	
Diiron trioxide (CAS 309-37-1)	VME	5 mg/m3	Fume.
Quartz (CÁS 14808-60-7)	VME	0,1 mg/m3	Respirable fraction.
Germany. DFG MAK List (advisory C n the Work Area (DFG)	•	_	•
Components	Туре	Value	Form
luminum Oxide (CAS 344-28-1)	TWA	4 mg/m3	Inhalable dust.
		1,5 mg/m3	Respirable dust.
Germany. TRGS 900, Limit Values ir Components	the Ambient Air at the Wor Type	kplace Value	Form
Numinum Oxide (CAS	AGW	3 mg/m3	Respirable fraction.
(344-28-1)		10 mg/m3	Inhalable fraction.
	AGW	3 mg/m3	Respirable fraction.
000 01 1)		10 mg/m3	Inhalable fraction.
Diiron trioxide (CAS 1309-37-1)	AGW	3 mg/m3	Respirable fraction

components Type Value Form Unminum Oxide (CAS) TWA 5 mg/m3 Inhalable 344 28-1) 10 mg/m3 Respirable. 309-37-1) TWA 10 mg/m3 Mist. STILLATES TWA 5 mg/m3 Mist. OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-650) Affact. AFVA2-10-5) Affact. 5 mg/m3 Mist. Sessibuli Oli Solvent (CAS TWA 5 mg/m3 Mist. Affa2-10-5) TWA 6 mg/m3 Respirable. Unuminum Oxide (CAS) TWA 6 mg/m3 Respirable. SHILLATES Ceiling 5 mg/m3 Mist. UNENT-DEWAXED EAVY PARAFFINIC (CAS TWA 6 mg/m3 Respirable. SHTULATES Ceiling 5 mg/m3 Mist. VERTOLEUM) CUNENT-DEWAXED Affact-Park (CAS Affact-Park (CAS Affact-Park (CAS) TWA 0,15 mg/m3 Respirable. Value (CAS) TWA 0,15 mg/m3 Respirable dust.	nended) Type	Value	Form
10 mg/m3 Respirable.			
STEL 10 mg/m3 309-37-1 TWA 10 mg/m3 5 mg/m3 Mist.	IVVA	5 mg/ms	IIIIaiabie
STILLATES		_	Respirable.
STILLATES	STEL	10 mg/m3	
New York New York	TWA	10 mg/m3	
CLVENT-DEWAXED	TWA	5 mg/m3	Mist.
EAVY PARAFFINIC (CAS 4742-65-0) TWA 5 mg/m3 Mist. Septidual Oil Solvent (CAS 4742-65-0) Mist. Septidual Oil Solvent (CAS 7192 Mist. Mist. Septidual Oil Solvent (CAS 7192 Mist. Mist.			
xtracts, Petroleum, esidual Oil Solvent (CAS 4742-10-5) TWA 5 mg/m3 Mist. umgary. OELs. Joint Decree on Chemical Safety of Workplaces omponents Type Value Form luminum Oxide (CAS 3 TWA 6 mg/m3 A4-28-1) 6 mg/m3 Respirable. 344-28-1 sign 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			
Language Language	T14/4	5 (0	NAC-1
4742-10-5) Value Form umpgry, OELs. Joint Decree on Chemical Safety of Workplaces omponents Type Value Form luminum Oxide (CAS 344-28-1) TWA 36 mg/m3 Respirable. Respirable. 349-42-81-1) Simplified Miss. Respirable. 309-93-71 Simplified Miss. Mist. 1STILLATES Ceiling 5 mg/m3 Mist. 2FTROLEUM) OLVENT-DEWAXED Safety PARAFFINIC (CAS. 2FAV2-10-5) TWA 0,15 mg/m3 Respirable. 2FAV2-10-5) TWA 0,15 mg/m3 Respirable. 1coland. OELs. Regulation 154/1999 on occupational exposure limits omponents Type Value Form 1coland. OELs. Regulation 154/1999 on occupational exposure limits omponents TWA 10 mg/m3 Respirable dust. 1coland. OELs. Regulation 154/1999 on occupational exposure limits omponents TWA 1 mg/m3 Respirable dust. 1coland. OELs. Regulation 154/1999 on occupational exposure limits omponents TWA 1 mg/m3 Mist. 1coland. OEAS 14808-60-7) TWA 1 mg/m3 Mist. 1coland. OEAS 14808-60-7) TWA 1 mg/m3 <	IVVA	5 mg/m3	MIST.
omponents Type Value Form luminum Oxide (CAS TWA 6 mg/m3 Respirable. 344-28-1) 1 irion trioxide (CAS TWA 6 mg/m3 Respirable. 309-37-1) ISTILLATES Celling 5 mg/m3 Mist. PETROLEUM) OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) Mist. BAVY PARAFFINIC (CAS TWA 0,15 mg/m3 Respirable. 4742-05-0 TWA 0,15 mg/m3 Respirable. Baland, OELs, Regulation 154/1999 on occupational exposure limits omponents Type Value Form Intuminum Oxide (CAS TWA 3,5 mg/m3 Respirable dust. 304-28-1) TWA 1 mg/m3 Mist. 18TILLATES TWA 1 mg/m3 Total dust. 18TILLATES <td< td=""><td></td><td></td><td></td></td<>			
Illuminum			
344-28-1) ifron trioxide (CAS 309-37-1) STRILLATES Ceiling 5 mg/m3 Mist. PETROLEUM) OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) xtracts, Petroleum, Ceiling 5 mg/m3 Mist. Petroleum Sidual Oil Solvent (CAS 4742-65-0) xtracts, Petroleum, Ceiling 5 mg/m3 Mist. Petroleum Sidual Oil Solvent (CAS 4742-65-0) xtracts, Petroleum, Ceiling 5 mg/m3 Respirable. Petroleum Sidual Oil Solvent (CAS 4742-10-5) xtracts, Petroleum, Type Value Form Iluminum Oxide (CAS TWA 10 mg/m3 Respirable dust. 344-28-1) xtracts, Petroleum, TWA 1 mg/m3 Mist. PETROLEUM) OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) xtracts, Petroleum, TWA 1 mg/m3 Mist. PETROLEUM OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) xtracts, Petroleum, TWA 1 mg/m3 Mist. Petroleum Oxide (CAS 10 mg/m3 Total dust. 0,1 mg/m3 Total dust. 0,1 mg/m3 Respirable dust. Perroleum Oxide (CAS TWA 4 mg/m3 Respirable dust. Petroleum Oxide (CAS TWA 5 mg/m3 Furme. Petroleum Oxide (CAS TWA 5 mg/m3 Furme. Petroleum Oxide (CAS TWA 5 mg/m3 Respirable dust. Petroleum Oxide (CAS TWA 5 mg/m3 Furme. Petroleum Oxide (CAS TWA 5 mg/m3 Respirable dust. Petroleum Oxide (CAS TWA 5 mg/m3 Respirable fraction.	Туре	Value	Form
Itimo trioxide (CAS TWA 6 mg/m3 Respirable 309-37-1 1 1 1 1 1 1 1 1 1	TWA	6 mg/m3	Respirable.
STILLATES Ceiling 5 mg/m3 Mist.	T\\/\	6 malm2	Doonirable
STILLATES	I VV	o mg/ms	i vespii abie.
CLVENT-DEWAXED	Ceiling	5 mg/m3	Mist.
EAVY PARAFFINIC (CAS 4742-65-0) xtracts, Petroleum, ceidual Oil Solvent (CAS 4742-65-0) xtracts, Petroleum, ceidual Oil Solvent (CAS 4808-60-7) TWA 0,15 mg/m3 Respirable. Respira			
xtracts, Petroleum, escidual Oil Solvent (CAS 4742-10-5) tuartz (CAS 14808-60-7) TWA 0,15 mg/m3 Mist. veland, OELs, Regulation 154/1999 on occupational exposure limits omponents Type Value Form luminum Oxide (CAS 344-28-1) timon trioxide (CAS 34-28-1) TWA 10 mg/m3 Respirable dust. 309-37-1) STILLATES TWA 1 mg/m3 Mist. PETROLEUM) OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) TWA 1 mg/m3 Mist. EAVY PARAFFINIC (CAS 4742-65-0) tuartz (CAS 14808-60-7) TWA 0,3 mg/m3 Total dust. eland. Occupational Exposure Limits omponents Type Value Form luminum Oxide (CAS 344-28-1) TWA 4 mg/m3 Respirable dust. eland. Occupational Exposure Limits omponents Type Value Form luminum Oxide (CAS 344-28-1) TWA 4 mg/m3 Respirable dust. iiion trioxide (CAS 309-37-1) TWA 5 mg/m3 Respirable dust. iuartz (CAS 14808-60-7) TWA 0,1 mg/m3 Total inhalable dust. iuartz (CAS 14808-60-7) TWA 0,1 mg/m3 Respirable dust.			
esidual Oil Solvent (CAS 4742-10-5) uartz (CAS 14808-60-7) TWA 0,15 mg/m3 Respirable. eland. OELs. Regulation 154/1999 on occupational exposure limits omponents Type Value Form Ituminum Oxide (CAS TWA 10 mg/m3 10 mg/m3	Cailing	5 mg/m2	Mict
	Ceiling	5 mg/ms	IVIISt.
reland. OELs. Regulation 154/1999 on occupational exposure limits omponents Type Value Form TWA 10 mg/m3 344-28-1) irrion trioxide (CAS 344-28-1) IVA 3,5 mg/m3 Respirable dust. 309-37-1) Respirable dust. TWA 1 mg/m3 Mist. Respirable dust. 1 mg/m3 Total dust. 0,1 mg/m3 Respirable dust. 1 mg/m3 Respirable fust. 1 mg/m3 Respirable fraction. 3 mg/m3 Respirable fraction. 3 mg/m3 Respirable fraction. 3 mg/m3 Respirable fraction. 3 mg/m3 Respirable fraction.			
Impurity Type Value Form		0,15 mg/m3	Respirable.
Imminum Oxide (CAS TWA 10 mg/m3 344-28-1 3,5 mg/m3 Respirable dust. 309-37-1 3,5 mg/m3 Respirable dust. 309-37-1 3,5 mg/m3 Respirable dust. 3,5 mg/m3 Mist.		Value	Form
344-28-1) TWA 3,5 mg/m3 Respirable dust. 309-37-1) ISTILLATES TWA 1 mg/m3 Mist. PETROLEUM) OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) Wist. EAVY PARAFFINIC (CAS TWA 1 mg/m3 Mist. variation of the control of the c			1 01111
TWA 3,5 mg/m3 Respirable dust.	TWA	10 mg/m3	
ISTILATES	TWA	3,5 mg/m3	Respirable dust.
DETROLEUM OLVENT-DEWAXED EAVY PARAFFINIC (CAS 4742-65-0) xtracts, Petroleum, TWA 1 mg/m3 Mist. residual Oil Solvent (CAS 4742-10-5) reartz (CAS 14808-60-7) TWA 0,3 mg/m3 Respirable dust. rearrange	T\0/0	1 ma/m2	Mict
EAVY PARAFFINIC (CAS 4742-65-0)	TVVA	i ilig/ilis	IVIISt.
4742-65-0) TWA 1 mg/m3 Mist. variats, Petroleum, esidual Oil Solvent (CAS 4742-10-5) TWA 0,3 mg/m3 (0,1 mg/m3) Total dust. duartz (CAS 14808-60-7) TWA 0,3 mg/m3 (0,1 mg/m3) Total dust. eland. Occupational Exposure Limits omponents Type Value Form luminum Oxide (CAS 344-28-1) TWA 4 mg/m3 (0,1 mg/m3) Respirable dust. iiiron trioxide (CAS 309-37-1) STEL 10 mg/m3 (0,1 mg/m3) Fume. TWA 5 mg/m3 (0,1 mg/m3) Fume. Fume. valuartz (CAS 14808-60-7) TWA 5 mg/m3 (0,1 mg/m3) Respirable dust. valuartz (CAS 14808-60-7) TWA 0,1 mg/m3 (0,1 mg/m3) Respirable dust. valuartz (CAS 14808-60-7) TWA 1 mg/m3 (0,1 mg/m3) Respirable fraction. valuartz (CAS 14808-60-7) TWA 1 mg/m3 (0,1 mg/m3) Respirable fraction. valuartz (CAS 14808-60-7) TWA 1 mg/m3 (0,1 mg/m3) Respirable fraction. valuartz (CAS 14808-60-7) TWA 1 mg/m3 (0,1 mg/m3) Respirable fraction.			
Attracts, Petroleum, esidual Oil Solvent (CAS			
A742-10-5 Pluartz (CAS 14808-60-7) TWA	TWA	1 mg/m3	Mist.
tuartz (CAS 14808-60-7) TWA 0,3 mg/m3 0,1 mg/m3 Respirable dust. Porm Type Value Form Type Value Form Total inhalable dust. 10 mg/m3 Fume. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable fust. 11 mg/m3 Respirable fraction. 11 mg/m3 Respirable fraction. 12 mg/m3 Respirable fraction. 13 mg/m3 Respirable fraction.			
eland. Occupational Exposure Limits omponents Type Value Form Iuminum Oxide (CAS 344-28-1) 10 mg/m3 Total inhalable dust. 10 mg/m3 Fume. TWA TWA TWA TWA TWA TWA TWA TW	TWA	0.3 ma/m3	Total dust.
Type Value Form Iuminum Oxide (CAS TWA 4 mg/m3 Respirable dust.			
luminum Oxide (CAS 344-28-1) TWA 4 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Fume. 309-37-1) TWA 5 mg/m3 Respirable dust. 10 mg/m3 Fume. 4 mg/m3 Respirable dust. 10 mg/m3 Fume. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fraction.			
10 mg/m3 Total inhalable dust. 10 mg/m3 Fume. TWA 5 mg/m3 Fume. 10 mg/m3 Fume. TWA 5 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Fume. 4 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fraction.	Туре	Value	Form
10 mg/m3 Total inhalable dust. 10 mg/m3 Fume. TWA 5 mg/m3 Fume. 10 mg/m3 Fume. TWA 5 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fust. 10 mg/m3 Respirable fraction.	TWA	4 mg/m3	Respirable dust.
STEL 10 mg/m3 Fume. TWA 5 mg/m3 Fume. 4 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable fust. TWA 0,1 mg/m3 Respirable fraction. Type Value Form Iuminum Oxide (CAS TWA 1 mg/m3 Respirable fraction. TWA 5 mg/m3 Respirable fraction. TWA 5 mg/m3 Respirable fraction.		10 ma/m2	Total inhalable dust
TWA 5 mg/m3 Fume. 4 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 2 nuartz (CAS 14808-60-7) TWA 0,1 mg/m3 Respirable dust. 3 nuartz (CAS 14808-60-7) TWA 0,1 mg/m3 Respirable dust. 3 nuartz (CAS 14808-60-7) TWA 1 mg/m3 Respirable fraction. 3 nuartz (CAS 14808-60-7) TWA 1 mg/m3 Respirable fraction. 3 nuartz (CAS 14808-60-7) TWA 5 mg/m3 Respirable fraction. 3 nuartz (CAS 14808-60-7) TWA 5 mg/m3 Respirable fraction.	STEL	_	
4 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Total inhalable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable dust. 10 mg/m3 Respirable fust.		· ·	
tuartz (CAS 14808-60-7) TWA 10 mg/m3 O,1 mg/m3 Respirable dust. Respirable dust. Type Value Form Iuminum Oxide (CAS 344-28-1) iiron trioxide (CAS TWA TWA TWA TWA TWA TWA Type Value Form Respirable fraction. TWA 5 mg/m3 Respirable fraction.	TWA	5 mg/m3	
Auartz (CAS 14808-60-7) TWA 0,1 mg/m3 Respirable dust. Augustional Exposure Limits Components Type Value Form Iuminum Oxide (CAS 344-28-1) iiron trioxide (CAS TWA TWA 5 mg/m3 Respirable fraction. Respirable fraction.		1 00 0 / 00 0	Doonischla deet
aly. Occupational Exposure Limits omponents Type Value Form Iuminum Oxide (CAS 344-28-1) iiron trioxide (CAS 309-37-1) TWA TWA 5 mg/m3 Respirable fraction.		_	· · · · · · · · · · · · · · · · · · ·
componentsTypeValueFormluminum Oxide (CAS 344-28-1) iiron trioxide (CAS 309-37-1)TWA1 mg/m3 	TWA	10 mg/m3	Total inhalable dust.
344-28-1) iiiron trioxide (CAS TWA 5 mg/m3 Respirable fraction. 309-37-1)	TWA	10 mg/m3	Total inhalable dust.
344-28-1) iiiron trioxide (CAS TWA 5 mg/m3 Respirable fraction. 309-37-1)		10 mg/m3 0,1 mg/m3	Total inhalable dust. Respirable dust.
309-37-1)	Туре	10 mg/m3 0,1 mg/m3 Value	Total inhalable dust. Respirable dust. Form
	Type TWA	10 mg/m3 0,1 mg/m3 Value 1 mg/m3	Total inhalable dust. Respirable dust. Form Respirable fraction.
	Type TWA	10 mg/m3 0,1 mg/m3 Value 1 mg/m3	Total inhalable dust. Respirable dust. Form Respirable fraction.
aly. Occupational Exposure Limits omponents luminum Oxide (CAS 344-28-1) iiron trioxide (CAS 309-37-1)		Type TWA STEL TWA TWA TWA TWA TWA TWA Ceiling TWA Ceupational exposure limits Type TWA TWA TWA TWA TWA TWA TWA TWA	Type Value TWA 5 mg/m3 10 mg/m3 10 mg/m3 TWA 10 mg/m3 TWA 10 mg/m3 TWA 5 mg/m3 TWA 6 mg/m3 TWA 6 mg/m3 Ceiling 5 mg/m3 Ceiling 5 mg/m3 TWA 0,15 mg/m3 TWA 10 mg/m3 TWA 10 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 0,3 mg/m3 0,1 mg/m3 0,1 mg/m3 TYPE Value TWA 4 mg/m3 STEL 10 mg/m3 10 mg/m3 10 mg/m3

Latvia. OELs. Occupational exposu Components	re limit values of chemical s Type	ubstances in work environment Value	Form
Aluminum Oxide (CAS 1344-28-1)	TWA	6 mg/m3	Decomposition aerosol.
		4 mg/m3	
Lithuania. OELs. Limit Values for C Components	Type	ai Requirements Value	Form
Aluminum Oxide (CAS 1344-28-1)	TWA	5 mg/m3	Inhalable fraction.
Diiron trioxide (CAS	TWA	2 mg/m3 3,5 mg/m3	Respirable fraction. Respirable fraction.
1309-37-1) DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 54742-65-0)	STEL	3 mg/m3	Fume and mist.
547 42-00-0)	TWA	1 mg/m3	Fume and mist.
Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5)	STEL	3 mg/m3	Fume and mist.
,	TWA	1 mg/m3	Fume and mist.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Netherlands. OELs (binding) Components	Туре	Value	Form
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m3	Mist.
Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5)	TWA	5 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0,075 mg/m3	Respirable dust.
Norway. Administrative Norms for 0	Contaminants in the Workpla		
Components	Туре	Value	Form
Aluminum Oxide (CAS 1344-28-1)	TLV	10 mg/m3	
Diiron trioxide (CAS 309-37-1)	TLV	3 mg/m3	
DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TLV	1 mg/m3	Mist.
Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5)	TLV	1 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m3 0,1 mg/m3	Total dust. Respirable dust.
Poland. MACs. Minister of Labour a	nd Social Policy Regarding	Maximum Allowable Concentrat	ions and Intensities in
Vorking Environment Components	Туре	Value	Form
Aluminum Oxide (CAS 344-28-1)	TWA	2,5 mg/m3	Fume, total dust.
•		1,2 mg/m3	Respirable dust and/or fume.
Diiron trioxide (CAS 1309-37-1)	STEL	10 mg/m3	Fume.
,	TWA	5 mg/m3	Fume.
DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS	STEL	10 mg/m3	Aerosol.
64742-65-0)			

Working Environment Components	Туре	Value	Form
Extracts, Petroleum, Residual Oil Solvent (CAS 64742-10-5)	STEL	10 mg/m3	Aerosol.
	TWA	5 mg/m3	Aerosol.
Quartz (CAS 14808-60-7)	TWA	2 mg/m3	Total dust.
		0,3 mg/m3	Respirable dust.
Portugal. VLEs. Norm on occupati	onal exposure to chemical ag	gents (NP 1796)	
Components	Туре	Value	Form
lluminum Oxide (CAS 344-28-1)	TWA	10 mg/m3	
Diiron trioxide (CAS 309-37-1)	TWA	5 mg/m3	Respirable fraction.
DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS	STEL	10 mg/m3	Aerosol.
34742-65-0)		_ , _	
Tutun ata Datus I	TWA	5 mg/m3	Aerosol.
Extracts, Petroleum, Residual Oil Solvent (CAS 14742-10-5)	STEL	10 mg/m3	Aerosol.
,	TWA	5 mg/m3	Aerosol.
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.
Components Aluminum Oxide (CAS	Type STEL	Value 5 mg/m3	Form Aerosol.
1344-28-1)		1 2 nnm	Aerosol.
	TWA	1,2 ppm 2 mg/m3	Aerosol.
	IVVA	0,5 ppm	Aerosol.
Diiron trioxide (CAS 309-37-1)	STEL	10 mg/m3	Dust and fume.
,	TWA	5 mg/m3	Dust and fume.
DISTILLATES PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS	STEL	10 mg/m3	
64742-65-0)	TWA	5 mg/m3	
Extracts, Petroleum, Residual Oil Solvent (CAS	STEL	10 mg/m3	
64742-10-5)	TWA	5 mg/m3	
Slovekie OEI e for equiperate		•	mutagania aubatan
Slovakia. OELs for carcinogens ar Components	Type	46/2002 on carcinogenic and r Value	nutagenic substances Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Slovakia. OELs. Regulation No. 30 Components	0/2007 concerning protection Type	of health in work with chemic Value	cal agents Form
Aluminum Oxide (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable fraction.
1077 20-1/		1,5 mg/m3 0,1 mg/m3	Respirable fraction.
Diiron trioxide (CAS	TWA	4 mg/m3	Inhalable fume.
1309-37-1)			

Slovenia. OELs. Regulations conc	ulations concerning protection of workers against risks due to exposure to chemicals while working			
(Official Gazette of the Republic of	e of the Republic of Slovenia)			
Components	Туре	Value	Form	
Quartz (CAS 14808-60-7)	TWA	0,15 mg/m3	Respirable fraction.	

1,5 mg/m3

Respirable fume.

Spain. Occupational Exposu Components	Type	Value	Form
Aluminum Oxide (CAS	TWA	10 mg/m3	
1344-28-1)	1000	10 mg/mo	
Diiron trioxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
DISTILLATES	STEL	10 mg/m3	Mist.
(PETROLEUM)			
SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS			
64742-65-0)			
Fisher etc. Defueles	TWA	5 mg/m3	Mist.
Extracts, Petroleum, Residual Oil Solvent (CAS	STEL	10 mg/m3	Mist.
64742-10-5)			
Overte (OAO 44000 00 7)	TWA	5 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Sweden. Occupational Expo Components		Value	Form
	Type		
Aluminum Oxide (CAS 1344-28-1)	TWA	5 mg/m3	Total dust.
1077-20-1)		2 mg/m3	Respirable dust.
Diiron trioxide (CAS	TWA	3,5 mg/m3	Respirable dust.
1309-37-1)	OTE!	2	Miot
DISTILLATES (PETROLEUM)	STEL	3 mg/m3	Mist.
SOLVENT-DEWAXED			
HEAVY PARAFFINIC (CAS 64742-65-0)			
04742-03-0)	TWA	1 mg/m3	Mist.
Extracts, Petroleum,	STEL	3 mg/m3	Mist.
Residual Oil Solvent (CAS			
64742-10-5)	TWA	1 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Switzerland. SUVA Grenzwe	erte am Arbeitsplatz		
Components	Туре	Value	Form
Aluminum Oxide (CAS 1344-28-1)	STEL	24 mg/m3	Fume and respirable dust.
1017 20 1)	TWA	3 mg/m3	Respirable dust.
		3 mg/m3	Fume and respirable
Diiron triovida (CAS	TWA	3 mg/m3	dust.
Diiron trioxide (CAS	IVVA	3 ma/m3	Respirable dust.
1309-37-1)	1777	g	
	TWA	0,15 mg/m3	Respirable dust.
Quartz (CÁS 14808-60-7) UK. EH40 Workplace Expos	TWA	0,15 mg/m3	•
Quartz (CÁS 14808-60-7) UK. EH40 Workplace Expos	TWA	_	Respirable dust.
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS	TWA ure Limits (WELs)	0,15 mg/m3	
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS	TWA ure Limits (WELs) Type	0,15 mg/m3 Value	Form
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA ure Limits (WELs) Type	0,15 mg/m3 Value 4 mg/m3	Form Respirable dust.
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA ure Limits (WELs) Type TWA STEL	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3	Form Respirable dust. Inhalable dust. Fume.
1309-37-1) Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1)	TWA ure Limits (WELs) Type TWA	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 5 mg/m3	Form Respirable dust. Inhalable dust. Fume. Fume.
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA ure Limits (WELs) Type TWA STEL	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 5 mg/m3 4 mg/m3	Form Respirable dust. Inhalable dust. Fume.
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1)	TWA ure Limits (WELs) Type TWA STEL	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 5 mg/m3	Form Respirable dust. Inhalable dust. Fume. Fume. Respirable.
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS	TWA ure Limits (WELs) Type TWA STEL TWA	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 4 mg/m3 10 mg/m3 10 mg/m3 0,1 mg/m3	Form Respirable dust. Inhalable dust. Fume. Fume. Respirable. Inhalable
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) Quartz (CAS 14808-60-7) ogical limit values ommended monitoring	TWA ure Limits (WELs) Type TWA STEL TWA TWA	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 4 mg/m3 10 mg/m3 10 mg/m3 0,1 mg/m3	Form Respirable dust. Inhalable dust. Fume. Fume. Respirable. Inhalable
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) Quartz (CAS 14808-60-7) ogical limit values ommended monitoring cedures	TWA ure Limits (WELs) Type TWA STEL TWA TWA No biological exposure limits noted to Not available.	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 4 mg/m3 10 mg/m3 10 mg/m3 0,1 mg/m3	Form Respirable dust. Inhalable dust. Fume. Fume. Respirable. Inhalable
Quartz (CAS 14808-60-7) UK. EH40 Workplace Expos Components Aluminum Oxide (CAS 1344-28-1) Diiron trioxide (CAS 1309-37-1) Quartz (CAS 14808-60-7) ogical limit values ommended monitoring	TWA ure Limits (WELs) Type TWA STEL TWA TWA TWA No biological exposure limits noted to	0,15 mg/m3 Value 4 mg/m3 10 mg/m3 10 mg/m3 4 mg/m3 10 mg/m3 10 mg/m3 0,1 mg/m3	Form Respirable dust. Inhalable dust. Fume. Fume. Respirable. Inhalable

8.2. Exposure controls

Appropriate engineering

controls

Not available.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Not available.

Skin protection

Hand protection
 Other
 Respiratory protection
 Thermal hazards
 Hygiene measures
 Environmental exposure
 Not available.
 Not available.
 Not available.

controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical stateSolid.FormRoll.

ColorDark green. or Brown.OdorSlight. Hydrocarbon-like.

Odor thresholdNot available.pHNot available.Melting point/freezing pointNot available.Initial boiling point and boilingNot available.

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water)Not available.Solubility (other)Not available.Partition coefficientNot available.

(n-octanol/water)

Auto-ignition temperature

Decomposition temperature

Viscosity

Explosive properties

Oxidizing properties

Not available.

Not available.

Not available.

9.2. Other information

Density 1,76 g/cm3 estimated **Specific gravity** 1,76 estimated

SECTION 10: Stability and reactivity

10.1. Reactivity
 10.2. Chemical stability
 10.3. Possibility of hazardous
 Not available.
 Not available.

reactions

10.4. Conditions to avoid Not available. 10.5. Incompatible materials Not available. Not available. 10.6. Hazardous

decomposition products

SECTION 11: Toxicological information

Not available. **General information**

Information on likely routes of exposure

Ingestion Not available. Inhalation Not available. Not available. Skin contact Not available. Eye contact Not available. **Symptoms**

11.1. Information on toxicological effects

Not available. Skin corrosion/irritation Not available. Serious eye damage/eye

irritation

Not available. Respiratory sensitization Skin sensitization Not available. Germ cell mutagenicity Not available. Carcinogenicity Not available. Reproductive toxicity Not available. Not available. Specific target organ toxicity -

single exposure

Specific target organ toxicity -

repeated exposure

Not available.

Aspiration hazard Mixture versus substance Not available. Not available.

Other information

information

Not available.

SECTION 12: Ecological information

No toxicity data noted for the ingredient(s). 12.1. Toxicity

12.2. Persistence and

degradability

Not available.

Not available. 12.3. Bioaccumulative potential **Bioconcentration factor (BCF)** Not available. Not available. 12.4. Mobility in soil

12.5. Results of PBT

Not a PBT or vPvB substance or mixture.

and vPvB assessment

Not available. 12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Not available. Contaminated packaging Not available. Not available. **EU** waste code

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

This substance/mixture is not intended to be transported in bulk.

Code

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

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.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, 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 listed

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

Not listed.

Other EU regulations

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

Not listed.

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.

National regulations Not available.

15.2. Chemical safety Not available.

assessment

SECTION 16: Other information

List of abbreviationsNot available.ReferencesNot available.Information on evaluationNot available.

method leading to the classification of mixture

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

None.

Revision information

None.

Training information Issued by

Not available. Dan Libby