

Trade name: Whittle Waxes Formula Treatex Hardwax Oil Satin 11001

Version: 9 / WORLD

Date created/revised: 03.11.16

Replaces Version: 8 / WORLD

Print date: 15.09.16

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Whittle Waxes Formula Treatex Hardwax Oil Satin 11001

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

Use of the substance/preparation

Surface treatment of wood and other materials

1.3. Details of the supplier of the safety data sheet

Manufacturer

Whittle Waxes

Factory 13, 25 Quanda Road

Coolum Beach, 4573 QLD AU

Telephone no. +61 (0) 1300 326 929 or 07 5471 7963

E-mail address info@whittlewaxes.com.au

1.4. Emergency telephone number

Australian +61 13 11 26

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226

STOT SE 3 H336

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P309+P315 IF exposed or if you feel unwell: Get immediate medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains naphtha hydrodesulfurized heavy

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

Further supplemental information

Cleaning cloth soaked with the product can self ignite during packing up, therefore dry the cloth on a line or through spreading and dispose of after dry up.

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB) (if not listed in Section 3).

3. Composition/information on ingredients

Hazardous ingredients (Regulation (EC) No. 1272/2008)

naphtha hydrodesulfurized heavy

CAS No. 64742-48-9
EINECS no. 265-150-3
Registration no. 01-2119463258-33
Concentration >= 25 < 50 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226
Asp. Tox. 1 H304
STOT SE 3 H336

alkanes, C11-14-iso-

CAS No. 90622-58-5
Concentration >= 10 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1 H304
Aquatic Chronic 4 H413
EUH066

2-ethylhexanoic acid zirconium salt

CAS No. 22464-99-9
EINECS no. 245-018-1
Registration no. 01-2119979088-21
Concentration >= 1 < 3 %

Classification (Regulation (EC) No. 1272/2008)

Repr. 2 H361d

naphtha hydrodesulfurized heavy

CAS No. 64742-48-9
EINECS no. 265-150-3

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Registration no. 01-2119457273-39
Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)
Asp. Tox. 1 H304
EUH066

Further hazardous ingredients

For explanation of abbreviations see section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) (if not listed in Section 3).

4. First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. If unconscious place in recovery position and seek medical advice. First aider: Pay attention to self-protection! Remove affected person from danger area, lay him down.

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Keep warm, calm and covered up. In all cases of doubt, or when symptoms persist, seek medical attention.

After skin contact

Wash off immediately with soap and water. Do NOT use solvents or thinners. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Take medical treatment.

After ingestion

Do not induce vomiting. Take medical treatment.

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

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects. The liquid splashed in the eyes may cause irritation and reversible damage.

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

Hints for the physician / treatment

Treat symptomatically.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist

Non suitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

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5.2. Special hazards arising from the substance or mixture

Fire will produce dense black smoke. In a fire, hazardous decomposition products may be produced. Exposure to decomposition products may cause a health hazard. Vapours can form an explosive mixture with air.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion evolution of dangerous gases possible. Use self-contained breathing apparatus.

Other information

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray. Standard procedure for chemical fires.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation. Do not inhale vapours. Do not inhale gases. Do not inhale mist.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated floors and objects thoroughly while observing environmental regulations. Clean with detergents. Avoid solvents. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Keep container tightly closed and dry in a cool, well-ventilated place. Use only with adequate ventilation/personal protection. Ensure adequate ventilation. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product. Use personal protective clothing. For personal protection see Section 8.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Take measures to prevent the build up of electrostatic charge. Wear shoes with conductive soles. No sparking tools should be used. Fight fire with normal precautions from a reasonable distance. Do not process in the same cabin together with highly

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flammable material (e.g. CN lacquer) => fire hazard through self ignition! Cleaning cloth soaked with the product can self ignite during packing up, therefore dry the cloth on a line or through spreading and dispose of after dry up.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Provide solvent-resistant and impermeable floor. Store at room temperature in the original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Keep away from oxidising agents and strongly acid or alkaline materials.

Storage class according to the Occupation Safety Ordinance:

Flammable.

Further information on storage conditions

Keep away from heat. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

See exposure scenario, if available.

8. Exposure controls/personal protection

8.1. Control parameters

Other information

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Derived No/Minimal Effect Levels (DNEL/DMEL)

naphtha hydrodesulfurized heavy

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	300	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1500	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	300	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	

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Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	900	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	300	mg/kg/d

2-ethylhexanoic acid zirconium salt

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	32,97	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	6,49	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	4,51	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	8,13	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	3,25	mg/kg/d

naphtha hydrodesulfurized heavy

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	

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Concentration	208	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	871	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	125	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	125	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	900	mg/m ³

Predicted No Effect Concentration (PNEC)

2-ethylhexanoic acid zirconium salt

Type of value	PNEC	
Type	Freshwater	
Concentration	0,36	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,036	mg/l
Type of value	PNEC	
Type	Fresh water sediment	
Concentration	6,37	mg/kg
Type of value	PNEC	
Type	saltwater sediment	
Concentration	0,637	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	1,06	mg/kg

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Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	71,7	mg/kg

8.2. Exposure controls

Exposure controls

Apply technical measures to comply with the workplace exposure limits. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Respiratory protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Recommended Filter type: Respiratory protection mask with combination filter A/P2

Hand protection

Protective gloves complying with EN 374.

Glove material

Multilayer gloves made from

Appropriate Material Fluorinated rubber / butyl-rubber

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Eye protection

Wear eye glasses with side protection according to EN 166.

Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid
Colour	colourless
Odour	characteristic
Odour threshold	
Remarks	no data available
pH value	
Remarks	no data available
Melting point	
Remarks	no data available
Freezing point	
Remarks	no data available
Initial boiling point and boiling range	
Value	135 to 217 °C
Flash point	

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Value 38 °C

Evaporation rate

Remarks no data available

Flammability (solid, gas)

no data available

Upper/lower flammability or explosive limits

Remarks no data available

Vapour density

Remarks no data available

Density

Value 0,91 g/cm³
Temperature 20 °C

Solubility in water

Remarks no data available

Solubility(ies)

Remarks no data available

Partition coefficient: n-octanol/water

Remarks no data available

Ignition temperature

Remarks no data available

Decomposition temperature

Remarks no data available

Viscosity

Remarks no data available

Efflux time

Value 52 to 58 s
Temperature 20 °C
Method DIN 53211 4 mm

Explosive properties

evaluation no data available

Oxidising properties

Remarks no data available

9.2. Other information

Other information

This information is not available.

10. Stability and reactivity

10.1. Reactivity

No conditions to be specially mentioned.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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To avoid thermal decomposition, do not overheat.

10.4. Conditions to avoid

Heat, flames and sparks.

Decomposition temperature

Remarks no data available

10.5. Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6. Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke. No decomposition if used as prescribed.

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

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

Acute oral toxicity (Components)

naphtha hydrodesulfurized heavy

Species	rat		
LD50	>	5000	mg/kg

alkanes, C11-14-iso-

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

naphtha hydrodesulfurized heavy

Species	rat		
LD50	>	5000	mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

naphtha hydrodesulfurized heavy

Species	rat		
LD50		3160	mg/kg

alkanes, C11-14-iso-

Species	rabbit		
LD50	>	5000	mg/kg

naphtha hydrodesulfurized heavy

Species	rabbit		
LD50	>	3000	mg/kg

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)

naphtha hydrodesulfurized heavy

Species	rat		
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LC50	appr.	100		mg/l
Duration of exposure		4	h	
Remarks		Mist		

alkanes, C11-14-iso-

Species		rat		
LC50	>	5,6		mg/l
Duration of exposure	=	4	h	
Remarks		Mist		

naphtha hydrodesulfurized heavy

LC50	>	5		mg/l
Duration of exposure		4	h	
Remarks		Mist		

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Sensitization (Components)

uaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, stearates, salts with bentonite

evaluation No sensitizing effects known.

Mutagenicity

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

Reproductive toxicity

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

Reproduction toxicity (Components)

2-ethylhexanoic acid zirconium salt

Route of exposure		oral
evaluation		Toxic to Reproduction Category 3

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Remarks The classification criteria are met

Aspiration hazard

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

Other information

No toxicological data are available.

12. Ecological information

12.1. Toxicity

General information

For this subsection there is no ecotoxicological data available on the product as such.

Fish toxicity (Components)

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naphtha hydrodesulfurized heavy

Species	Pimephales promelas (fathead minnow)	
LC50	2200	mg/l
Duration of exposure	96	h

naphtha hydrodesulfurized heavy

Species	Pimephales promelas (fathead minnow)	
NOEC	2,6	mg/l
Duration of exposure	14	d

naphtha hydrodesulfurized heavy

Species	Oncorhynchus mykiss (rainbow trout)	
LC50	16	mg/l
Duration of exposure	96	h

Daphnia toxicity (Components)

naphtha hydrodesulfurized heavy

Species	Chaetogammarus marinus	
EC50	2,6	mg/l
Duration of exposure	96	h

naphtha hydrodesulfurized heavy

Species	Daphnia magna (Water flea)	
EC50	4,5	mg/l
Duration of exposure	48	h

naphtha hydrodesulfurized heavy

Species	Daphnia magna (Water flea)	
NOEC	2,6	mg/l
Duration of exposure	21	d

alkanes, C11-14-iso-

Species	Daphnia magna (Water flea)	
EC50	> 1000	mg/l
Duration of exposure	48	h

Algae toxicity (Components)

naphtha hydrodesulfurized heavy

Species	Pseudokirchneriella subcapitata (green algae)	
EC50	3,1	mg/l
Duration of exposure	72	h

12.2. Persistence and degradability

General information

For this subsection there is no ecotoxicological data available on the product as such.

Biodegradability (Components)

alkanes, C11-14-iso-

evaluation Not readily biodegradable.

naphtha hydrodesulfurized heavy

Value	77,05	%
Duration of test evaluation	28	d

Readily biodegradable.

12.3. Bioaccumulative potential

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For this subsection there is no ecotoxicological data available on the product as such.

Partition coefficient: n-octanol/water

Remarks no data available

12.4. Mobility in soil

General information

For this subsection there is no ecotoxicological data available on the product as such.

Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

General information

For this subsection there is no ecotoxicological data available on the product as such.

12.6. Other adverse effects

General information

For this subsection there is no ecotoxicological data available on the product as such.

General information / ecology

For this subsection there is no ecotoxicological data available on the product as such.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code	080111 - waste paint and varnish containing organic solvents or other dangerous substances
EWC waste code	200127 - paint, inks, adhesives and resins containing dangerous substances

Where possible recycling is preferred to disposal or incineration.
Do not allow to enter drains or waterways.

modified product

EWC waste code	080113 - sludges from paint or varnish containing organic solvents or other dangerous substances
EWC waste code	080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

Dried residues

EWC waste code	080112 - waste lacquers and waste paint except those falling under 080111
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Disposal recommendations for packaging

EWC waste code	150110 - packaging containing residues of or contaminated by dangerous substances
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Empty remaining contents.
Empty containers should be taken to local recyclers for disposal.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1263

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14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3
Label 3

14.4. Packing group

Packing group III
Special provision 640E
Limited Quantity 5I
Transport category 3
Tunnel restriction code D/E

Marine transport IMDG/GGVSee

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Air transport ICAO/IATA

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

15. Regulatory information

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

VOC

VOC (EU) 48,2 % 440 g/l

Non-volatile content

Value [%] 51,4

15.2. Chemical safety assessment

For this substance / mixture a chemical safety assessment was not carried out.

16. Other information

Hazard statements listed in Chapter 3

EUH066 Repeated exposure may cause skin dryness or cracking.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H413 May cause long lasting harmful effects to aquatic life.

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CLP categories listed in Chapter 3

Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Repr. 2	Reproductive toxicity, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR - Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID - Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG - International Maritime Code for Dangerous Goods

IATA - International Air Transport Association

IATA-DGR - Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO-TI - Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

EINECS - European Inventory of Existing Commercial Chemical Substances

CAS - Chemical Abstracts Service (division of the American Chemical Society)

GefStoffV - Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL - Lowest Observed Adverse Effect Level

LOEL - Lowest Observed Effect Level

NOAEL - No Observed Adverse Effect Level

NOEC - No Observed Effect Concentration

NOEL - No Observed Effect Level

OECD - Organisation for Economic Cooperation and Development

VOC - Volatile Organic Compounds

Changes since the last version are highlighted in the margin (***). This version replaces all previous versions.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The 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, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.