SAFETY DATA SHEET

621 - UV Protective Coat, aerosol

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

1.1. Product identifier

Trade name

621 - UV Protective Coat, aerosol

Product no.

621

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

Relevant identified uses of the substance or mixture

Topcoat finishing

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

HBC Systems A/S
Hobrovej 961-963 9530
Stövring Denmark
+45 70 22 70 70
https://hbc-system.com

WheelTec NZ Limited
28 Willis Street
Palmerston North
New Zealand
+64272468194
https://wheeltec.nz

Contact person

Vibeke Jørgensen

E-mail

info@hbc-system.com

Revision

13-02-2022

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). ***0800 POISON***
See section 4 “First aid measures”.

SECTION 2: Hazards identification

Classified as a Dangerous Good according to NZS 5433:2007 Transport of Dangerous Goods on Land. Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.

2.2. Label elements

Hazard pictogram(s)

Signal word Warning
Hazard statement(s) Flammable liquid and vapour. (H226) Safety statement(s)

General

Prevention

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

Response

In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)

Storage

Store in a well-ventilated place. Keep cool. (P403+P235)

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

xylene

ethylbenzene

2.3. Other hazards

Additional labelling

Not applicable

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
dimethyl ether	CAS No.: 115-10-6 EC No.: 204-065-8 REACH: Index No.: 603-019-00-8	40-60%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	[1]
n-butyl acetate	CAS No.: 123-86-4 EC No.: 204-658-1 REACH: 01-2119485493-29 Index No.: 607-025-00-1	15-25%	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	[1]
xylene	CAS No.: 1330-20-7 EC No.: 215-535-7 REACH: Index No.: 601-022-00-9	5-10%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332	[1]
ethyl 3-ethoxypropionate	CAS No.: 763-69-9 EC No.: 212-112-9 REACH: Index No.:	5-10%	Flam. Liq. 3, H226 EUH066	
ethylbenzene	CAS No.: 100-41-4 EC No.: 202-849-4	3-5%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373	[1]

	REACH: Index No.: 601-023-00-4		Aquatic Chronic 3, H412	
2-butoxyethyl acetate butylglycol acetate	CAS No.: 112-07-2 EC No.: 203-933-3 REACH: Index No.: 607-038-00-2	1-3%	Acute Tox. 4, H312 Acute Tox. 4, H332	[1]
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	CAS No.: 52829-07-9 EC No.: 258-207-9 REACH: Index No.:	<1%	Eye Irrit. 2, H319 Aquatic Chronic 2, H411	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER / doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.
To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on “Disposal considerations” in regard of handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.
Use explosion-proof [electrical / lighting / ventilating]equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

No specific requirements

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

—
dimethyl ether
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 766
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 958

—
n-butyl acetate
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m³): 724
Short term exposure limit (15 minutes) (ppm): 200
Short term exposure limit (15 minutes) (mg/m³): 966

—
xylene
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 220
Short term exposure limit (15 minutes) (ppm): 100
Short term exposure limit (15 minutes) (mg/m³): 441
Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

—
ethylbenzene
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 441
Short term exposure limit (15 minutes) (ppm): 125
Short term exposure limit (15 minutes) (mg/m³): 552
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

—
2-butoxyethyl acetate butylglycol acetate
Long term exposure limit (8 hours) (ppm): 20
Long term exposure limit (8 hours) (mg/m³): 133
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m³): 332
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Product/substance	n-butyl acetate
DNEL	102,34 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	n-butyl acetate
DNEL	960 mg/m3

Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	n-butyl acetate
DNEL	960 mg/m3
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers

Product/substance	n-butyl acetate
DNEL	480 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	n-butyl acetate
DNEL	480 mg/m3
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	n-butyl acetate
DNEL	859,7 mg/m3
Route of exposure	Inhalation
Duration	Short term – Systemic effects - General population

Product/substance	n-butyl acetate
DNEL	102,34 mg/m3
Route of exposure	Inhalation
Duration	Long term – Local effects - General population

Product/substance	n-butyl acetate
DNEL	859,7 mg/m3
Route of exposure	Inhalation
Duration	Short term – Local effects - General population

Product/substance	xylene
DNEL	77mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects

Product/substance	xylene
DNEL	389mg/m3
Route of exposure	Inhalation
Duration	Short term – Local effects

Product/substance	xylene
DNEL	180 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects

PNEC

Product/substance	n-butyl acetate
PNEC	35,6 mg/L
Route of exposure	Sewage treatment plant

Duration of Exposure	

Product/substance	n-butyl acetate
PNEC	0,18 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	n-butyl acetate
PNEC	0,018 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	n-butyl acetate
PNEC	0,36 mg/L
Route of exposure	Intermittent release
Duration of Exposure	

Product/substance	n-butyl acetate
PNEC	0,981 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	n-butyl acetate
PNEC	0,0981 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	n-butyl acetate
PNEC	0,09903 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/substance	xylene
PNEC	0,327 mg/L
Route of exposure	Freshwater
Duration of Exposure	

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure
No specific requirements

Individual protection measures, such as personal protective equipment

Generally
No specific requirements

Respiratory Equipment
No specific requirements

Skin protection
No specific requirements

Hand protection
No specific requirements

Eye protection
No specific requirements

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form
Liquid

Colour
Colourless

Odour
Characteristic

Odour threshold (ppm)
Testing not relevant or not possible due to nature of the product.

pH
Testing not relevant or not possible due to nature of the product.

Density (g/cm³)
Testing not relevant or not possible due to nature of the product.

Viscosity
60

Phase changes

Melting point (°C)
Testing not relevant or not possible due to nature of the product.

Boiling point (°C)
38

Vapour pressure
Testing not relevant or not possible due to nature of the product.

Vapour density
Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)
Testing not relevant or not possible due to nature of the product.

Evaporation rate (n-butylacetate = 100)

Data on fire and explosion hazards

Flash point (°C)
23

Ignition (°C)
Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)
Testing not relevant or not possible due to nature of the product.

Explosion limits (% v/v)
1 - 9

Explosive properties
Testing not relevant or not possible due to nature of the product.

Oxidizing properties
Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product/substance	dimethyl ether
Test method	
Species	Rabbit
Route of exposure	Inhalation
Test	LC50
Result	308 g/m3 ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 6400 mg/kg ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	> 5000 mg/kg ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	21.1 mg/l/4h ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	10768 g/kg ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	2000 ppm ·
Other information	

Product/substance	xylene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	3.523 ·
Other information	

Product/substance	xylene
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	4 h - 5000 ·
Other information	

Product/substance	xylene
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	12.126 ·
Other information	

Product/substance	ethyl 3-ethoxypropionate
Test method	
Species	Rabbit
Route of exposure	Dermal

Test	LD50
Result	10 g/kg ·
Other information	

Product/substance	ethyl 3-ethoxypropionate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	3200 mg/kg ·
Other information	

Product/substance	2-butoxyethyl acetate butylglycol acetate
Test method	
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	3200 mg/kg ·
Other information	

Product/substance	2-butoxyethyl acetate butylglycol acetate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	1500 mg/kg ·
Other information	

Product/substance	2-butoxyethyl acetate butylglycol acetate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2400 mg/kg ·
Other information	

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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

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

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

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

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

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

Long term effects

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

xylene has been classified by IARC as a group 3 carcinogen.
ethylbenzene has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	n-butyl acetate
Test method	
Species	Daphnia
Compartment	
Duration	24 hours
Test	EC50
Result	205 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	100 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Crustacean
Compartment	
Duration	48 hours
Test	LC50
Result	32000 ug/L ·
Other information	

12.2. Persistence and degradability

Product/substance	n-butyl acetate
Biodegradable	Yes
Test method	
Result	

12.3. Bioaccumulative potential

Product/substance	dimethyl ether
Test method	
Potential	No

bioaccumulation	
LogPow	0,1000
BCF	No data available
Other information	

Product/substance	n-butyl acetate
Test method	
Potential bioaccumulation	No
LogPow	1,7800
BCF	No data available
Other information	

Product/substance	xylene
Test method	
Potential bioaccumulation	Yes
LogPow	No data available
BCF	No data available
Other information	

Product/substance	2-butoxyethyl acetate butylglycol acetate
Test method	
Potential bioaccumulation	No
LogPow	1,5100
BCF	No data available
Other information	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 3 - Flammable
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 - 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
UN1950	AEROSOLS	2.2		3(E)

IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
UN1950	AEROSOLS	2.2		F-D, S-U

"MARINE POLLUTANT"

No

IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
UN1950	AEROSOLS	2.2	

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

Additional information

Not applicable

Sources

The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.
EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.
H220, Extremely flammable gas.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.

H280, Contains gas under pressure; may explode if heated.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H373, May cause damage to organs through prolonged or repeated exposure.
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit.
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of physical hazards has been based on experimental data.

The safety data sheet is validated by

jbc

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not

necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en

Disclaimer

The modifications to this Safety Data Sheet made by M J Nankivell HazTec Ltd have been restricted to Adding New Zealand specific information only as required under the HSNO Act 1996 and associated regulations and no changes have been made to the Technical Content.
No liability or responsibility shall be taken by M.J Nankivell HazTec Ltd for the technical content or accidents or incidents arising from the use thereof.