

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Revision date 20-Jul-2026

Revision Number 1

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

1.1. Product identifier

Product Code(s) 128625
Safety data sheet number 128625
Product Name SELENIA WR PLUS 5W 40

Pure substance/mixture Mixture

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

Recommended use Engine oil

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified

2.2. Label elements

Not classified

Hazard statements

Not classified
EUH210 - Safety data sheet available on request

Unknown aquatic toxicity

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC 64742-54-7	30 - 40%	265-157-1 (649-467-00-8)	-	Asp. Tox. 1 (H304)	-	-	-
DEC-1-ENE, HOMOPOLYMER, HYDROGENATED 68037-01-4	20 - 30%	500-183-1	-	Asp. Tox. 1 (H304)	-	-	-
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC 64742-56-9	0 - 10%	265-159-2 (649-469-00-9)	-	Asp. Tox. 1 (H304)	-	-	-
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC 64742-65-0	0 - 10%	265-169-7	-	Asp. Tox. 1 (H304)	-	-	-
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC 64742-55-8	0 - 10%	265-158-7 (649-468-00-3)	-	Asp. Tox. 1 (H304)	-	-	-
REACTION PRODUCTS OF DIPHENYLAMINE WITH NONENE, BRANCHED -	0 - 10%	701-385-4	-	Repr. 2 (H361f)	-	-	-

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Get medical attention if symptoms occur. Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Rinse mouth.

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

Eyes	May cause temporary eye irritation.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam or water spray.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon oxides. Phosphorus oxides. Oxides of sulphur. Nitrogen oxides (NO _x).
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5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Ensure adequate ventilation.
General hygiene considerations	Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.
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7.3. Specific end use(s)

Specific use(s)
See section 1 for more information.

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Biological occupational exposure limits	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.
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Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC 64742-54-7		0.97 mg/kg bw/day [4] [6]	2.73 mg/m ³ [4] [6] 5.4 mg/m ³ [5] [6]
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC 64742-56-9		0.97 mg/kg bw/day [4] [6]	2.73 mg/m ³ [4] [6] 5.58 mg/m ³ [5] [6]
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY		0.97 mg/kg bw/day [4] [6]	5.4 mg/m ³ [6]

Chemical name	Oral	Dermal	Inhalation
PARAFFINIC 64742-65-0			
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC 64742-55-8		0.97 mg/kg bw/day [4] [6]	2.73 mg/m ³ [4] [6] 5.58 mg/m ³ [5] [6]

[4] Systemic health effects.
 [5] Local health effects.
 [6] Long term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC 64742-54-7	0.74 mg/kg bw/day [4] [6]		1.2 mg/m ³ [5] [6]
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC 64742-56-9	0.74 mg/kg bw/day [4] [6]		1.19 mg/m ³ [5] [6]
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC 64742-65-0	0.74 mg/kg bw/day [4] [6]		1.2 mg/m ³ [6]
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC 64742-55-8	0.74 mg/kg bw/day [4] [6]		1.19 mg/m ³ [5] [6]

[4] Systemic health effects.
 [5] Local health effects.
 [6] Long term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC 64742-54-7					9.33 mg/kg food
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC 64742-56-9					9.33 mg/kg food
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC 64742-65-0					9.33 mg/kg food

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC 64742-55-8					9.33 mg/kg food

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). According to EN 16321-1.

Hand protection Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Neoprene gloves. Nitrile rubber. Gloves must conform to standard EN 374.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous liquid
Colour	Amber
Odour	No information available.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point		No information available.
Initial boiling point and boiling range	> 300.0 °C	ASTM D2887.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point	232.0 °C	ASTM D92.
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH		No information available.
pH (as aqueous solution)		No information available.
Kinematic viscosity	77.64 cSt	40.0 °C. ASTM D 445.
Dynamic viscosity		No information available.
Water solubility	Immiscible in water	
Solubility(ies)		No information available.
Partition coefficient		No information available.

Vapour pressure		No information available.
Relative density	0.8462	ASTM D4052.
Bulk density		No information available
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		No information available.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Phosphorus oxides. Oxides of sulphur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation.
Eye contact	May cause temporary eye irritation.
Skin contact	May cause slight irritation.
Ingestion	Gastrointestinal discomfort.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
DEC-1-ENE, HOMOPOLYMER, HYDROGENATED	-	-	> 5.2 mg/L (Rat) 4 h
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5399 mg/m ³ (Rat) 4 h
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	> 15000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 2400 mg/m ³ (Rat) 4 h
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	>5 mg/l (Rat) 4 h
REACTION PRODUCTS OF DIPHENYLAMINE WITH NONENE, BRANCHED	> 5000 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion		Dermal			non-irritant

Serious eye damage/eye irritation No information available.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion		eye			non-irritant

Respiratory or skin sensitisation No information available.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation		Dermal	Not a skin sensitiser
			Not a respiratory sensitiser

Germ cell mutagenicity No information available.

Component Information

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test		Negative
OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test		Negative
OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test		Negative
OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes		Negative

Carcinogenicity No information available.

Component Information

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Species	Results
OECD Test No. 451: Carcinogenicity Studies		Not expected to cause carcinogenicity
OECD Test No. 453: Combined Chronic Toxicity/Carcinogenicity Studies		Not expected to cause carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	United Kingdom
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC	-

Reproductive toxicity No information available.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Species	Results
OECD Test No. 414: Pre-natal Development Toxicity Study		Not expected to cause reproductive effects.
OECD Test No. 421: Reproduction/Developmental Toxicity Screening Test		Not expected to cause reproductive effects.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life.

Unknown aquatic toxicity**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)**

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity	Algae Pseudokirchneriella subcapitata	EL0	100 mg/L	72 hours	
Acute toxicity	Daphnia magna	EL0	1000 - 10000 mg/L	48 hours	
Acute toxicity	Fish Pimephales promelas	LL0	100 mg/L	96 hours	
Chronic toxicity	Algae Pseudokirchneriella subcapitata	NOEL	100 mg/L	72 hours	
Chronic toxicity	Daphnia magna	NOEL	10 - 1000 mg/L	21 days	

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (64742-56-9)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Daphnia magna	LL50	> 100 mg/L		
	Algae	EC50	> 100 mg/L		
	Fish		> 100 mg/L		

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (64742-65-0)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Green Algae	EC50	>100 mg/L	96 hours	
	Water flea	EC50	>100 mg/L	48 hours	
	Oncorhynchus mykiss (rainbow trout)	LC50	>100 mg/L	96 hours	
	Water flea	NOEC	100 mg/L	21 days	

REACTION PRODUCTS OF DIPHENYLAMINE WITH NONENE, BRANCHED (-)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test	Fish	LC50	> 100 mg/L	96 hours	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Water flea	EC50	> 100 mg/L	48 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Algae	EC50	> 100 mg/L	72 hours	

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC	EC50: >100 mg/L (48h, Pseudokirchnerella subcapitata)	NOEL: >1000 mg/L (21d, Oncorhynchus mykiss)	-	EC50: >10000 mg/L (48h, Daphnia magna) NOEL: 10 mg/l (21d, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

Method	Exposure time	Value	Results
		Biodegradation 31.13 %	Not readily biodegradable

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (64742-65-0)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	23% Biodegradation	Not readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
DEC-1-ENE, HOMOPOLYMER, HYDROGENATED	6.5

12.4. Mobility in soil

Mobility in soil Immiscible in water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	The substance is not PBT / vPvB
DEC-1-ENE, HOMOPOLYMER, HYDROGENATED	The substance is not PBT / vPvB
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC	The substance is not PBT / vPvB
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	The substance is not PBT / vPvB
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable

14.6 Special precautions for user

Special Provisions None

IMDG

14.1 UN number or ID number Not regulated
 14.2 UN proper shipping name Not regulated
 14.3 Transport hazard class(es) Not regulated
 14.4 Packing group Not regulated
 14.5 Environmental hazards Not applicable
 14.6 Special precautions for user
 Special Provisions None
 14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number Not regulated
 14.2 UN proper shipping name Not regulated
 14.3 Transport hazard class(es) Not regulated
 14.4 Packing group Not regulated
 14.5 Environmental hazards Not applicable
 14.6 Special precautions for user
 Special Provisions None

ADR

14.1 UN number or ID number Not regulated
 14.2 UN proper shipping name Not regulated
 14.3 Transport hazard class(es) Not regulated
 14.4 Packing group Not regulated
 14.5 Environmental hazards Not applicable
 14.6 Special precautions for user
 Special Provisions None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC - 64742-56-9	Use restricted. See item 28. Restricted Carcinogen 1B	-
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC - 64742-65-0	Use restricted. See item 28. Restricted Carcinogen 1B	-
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC - 64742-55-8	Use restricted. See item 28. Restricted Carcinogen 1B	-

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECI	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL	- Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	- Japan Existing and New Chemical Substances
IECSC	- China Inventory of Existing Chemical Substances
KECL	- Korean Existing and Evaluated Chemical Substances
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
AIIC	- Australian Inventory of Industrial Chemicals
NZIoC	- New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H304 - May be fatal if swallowed and enters airways

H361f - Suspected of damaging fertility

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note ***Indicates updated data since last publication

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
 Organisation for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Prepared By Jitendra Panchal

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This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
 Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

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.

End of Safety Data Sheet