SAFETY DATA SHEET

FIRESHIELD 471KS

1.1 Product identifier:

Trade name:	FIRESHIELD 471KS
Other names:	Not Assigned
Recommended Use:	Fire rated water based intumescent coating restricted to Professional Users.
Use descriptors (REACH):	For indoor fire protection of load bearing steel structures.
Uses advised against:	None known.
Group Approval:	Not Applicable

1.2 Details of the supplier of the SDS:

Supplier:	Fireshield, a division of Fire Protection Coatings Limited
NZBN:	9429041746059
Address:	Level 1/150 Lichfield Street, Christchurch 8013, New Zealand
Contact Number:	Ph: 0800 FIRESHIELD (0800 347374)
Email:	info@fireshieldcoatings.com
Website:	www.fireshieldcoatings.com

1.3 Emergency telephone number:

Emergency Number:	Ph: 111- Police, Ambulance and Fire Brigade
Poison Information Centre:	Ph: 0800 764 766

See section 4 “First aid measures”

2. HAZARDS IDENTIFICATION

Approval

This product is considered to be a hazardous substance to the Hazardous Substances and New Organisms Act (HSNO).
Surface Coatings and Colourants (Carcinogenic) Group Standard 2020 - HSR002679 (consolidated and current)

Hazard classifications

carcinogenicity Category 2
reproductive toxicity Category 2

Hazard pictograms

Signal word

WARNING

Hazard statements

H351 Suspected of causing cancer.
H361f Suspected of damaging fertility.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe vapours / spray.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P308+P313 IF exposed or concerned: Get medical advice / attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Classifications

EUH208 May produce an allergic reaction.

Product treated with preservatives [x].

3. COMPOSITION INFORMATION

3.1 Substances:

Not applicable. This product is a mixture.

3.2 Mixtures:

Product/substance	Range %
Melamine CAS: 108-78-1	3-10%
2-Methyl-2H-isothiazolin-3-one CAS: 2682-20-4	0,00015 - <0,0015%
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one CAS: 55965-84-9	0,00015 - <0,0015

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

4. FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation: Remove to fresh air. If breathing difficulties occur, seek medical advice.

Skin contact: For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water and soap. DO NOT use solvents or thinners. Seek medical assistance if symptoms remain

Eye contact: If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion: If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

4.2 Most important symptoms caused by exposure, acute and delayed:

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Notes to physician: Treat symptomatically.

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

Treat symptomatically

Information to medics:

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

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used Full water jet.

5.2 Special hazards arising from the substance or mixture: Risk of formation of toxic pyrolysis products.

5.3 Advice for fire fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3 Methods and material for containment and cleaning up:

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections:

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

The normal safety precautions for handling chemicals must be observed.
Use only in well-ventilated areas.
Provide suitable vacuuming at the processing area.

Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities:

Keep only in original container.
Prevent penetration into the ground.
Do not store together with food and animal food/diet.
Keep container tightly closed.
Protect from heat/overheating.
Keep in a cool place. Store in a dry place.

7.3 Specific end use(s):

See product use, SECTION 1.2

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Ingredients with occupational exposure limits to be monitored (NZ)

not applicable

DNEL:

Substance
Melamine, CAS: 108-78-1
Industrial, dermal, Acute - systemic effects, 117 mg/kg
Industrial, inhalative, Acute - systemic effects, 82,3 mg/m³
Industrial, inhalative, Long-term - systemic effects, 8,3 mg/m³
Industrial, dermal, Long-term - systemic effects, 11,8 mg/kg
general population, inhalative, Long-term - systemic effects, 1,5 mg/m³
general population, dermal, Long-term - systemic effects, 4,2 mg/kg
general population, oral, Long-term - systemic effects, 0,42 mg/kg
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
Industrial, inhalative, Long-term - local effects, 21 µg/m³
Industrial, inhalative, Acute - local effects, 43 µg/m³
general population, oral, Long-term - systemic effects, 27 µg/kg bw/day
general population, oral, Acute - systemic effects, 53 µg/kg bw/day
general population, inhalative, Long-term - local effects, 21 µg/m³
general population, inhalative, Acute - local effects, 43 µg/m³
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
Industrial, inhalative, Long-term - local effects, 0,02 mg/m³
Industrial, inhalative, Acute - local effects, 0,04 mg/m³
general population, inhalative, Acute - local effects, 0,04 mg/m³
general population, inhalative, Long-term - local effects, 0,02 mg/m³
general population, oral, Long-term - systemic effects, 0,09 mg/kg bw/day
general population, oral, Acute - systemic effects, 0,11 mg/kg bw/day

PNEC:

Substance
Melamine, CAS: 108-78-1
freshwater, 0,51 mg/L
seawater, 0,051 mg/L
sediment (freshwater), 2,524 mg/kg sediment dw
sediment (seaater), 0,252 mg/kg sediment dw
soil, 0,206 mg/kg soil dw
sewage treatment plants (STP), 200 mg/L
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
freshwater, 3,39 µg/L
seawater, 3,39 µg/L
sewage treatment plants (STP), 230 µg/L
soil, 47 µg/kg soil dw
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
freshwater, 3,39 µg/L
seawater, 3,39 µg/L
sewage treatment plants (STP), 0,23 mg/L
sediment (freshwater), 0,027 mg/kg sediment dw
sediment (seaater), 0,027 mg/kg sediment dw
soil, 0,01 mg/kg soil dw

8.2 Exposure controls:

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0,7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not inhale aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact during pregnancy/while nursing.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter P2. (DIN EN 143)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state	solid
Form	pasty
Color	white
Odor	characteristic
Odour threshold	not applicable
pH-value	7,7 - 8,7
pH-value [1%]	not determined
Boiling point or initial boiling point and boiling range [°C]	not determined
Flash point [°C]	not applicable
Flammability	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	1,3 - 1,4 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Solubility other solvents	not applicable

Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	10000 - 14000 mPa.s (20°C)
Relative vapour density	not applicable
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

9.2 Other Information: None

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No dangerous reactions known if used as directed.

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

See SECTION 7.2.

10.5 Incompatible materials:

None

10.6 Hazardous decomposition products:

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

Product
ATE-mix, oral, > 2000 mg/kg

Substance
Melamine, CAS: 108-78-1
LD50, oral, Rat (female), 3828 mg/kg
LD50, oral, Rat (male), 3161 mg/kg
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
LD50, oral, Rat, 120 mg/kg bw
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
LD50, oral, Rat, 64 mg/kg

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

Product
ATE-mix, dermal, > 2000 mg/kg

Substance
Melamine, CAS: 108-78-1
LD50, dermal, Rat, > 2000 mg/kg
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
LD50, dermal, Rat, 242 mg/kg bw
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
LD50, dermal, Rabbit, 87 mg/kg

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

Product
ATE-mix, inhalativ (mist), > 5 mg/l 4h

Substance
Melamine, CAS: 108-78-1
LC50, inhalative, Rat, 5,19 mg/l, OECD 403, 4h
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
LC50, inhalative, Rat, 340 µg/m³
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
LC50, inhalative, Rat, 0,33 mg/L 4h

Serious eye damage/irritation Based on the available information, the classification criteria are not fulfilled.

Substance
Melamine, CAS: 108-78-1
Eye, non-irritating
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
Eye, Causes serious eye damage.
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
Eye, Rabbit, In vivo study, corrosive

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

Substance
Melamine, CAS: 108-78-1
Rabbit, OECD 404, non-irritating
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
Rabbit, in vivo, corrosive
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
dermal, Rabbit, OECD 404, corrosive

Respiratory or skin sensitisation Based on the available information, the classification criteria are not fulfilled.

May cause an allergic skin reaction.

Substance
Melamine, CAS: 108-78-1
Guinea pig, OECD 406, non-sensitizing
inhalative, non-sensitizing
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
dermal, Guinea pig, OECD 429, sensitising
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
dermal, In vivo study, sensitising

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are not fulfilled

Specific target organ toxicity — repeated exposure Based on the available information, the classification criteria are not fulfilled

Substance
Melamine, CAS: 108-78-1
NOAEL, oral, Rat, 72 mg/kg bw/day (subchronic), adverse effect observed
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
NOAEL, oral, Rat, 19 mg/kg bw/day, no adverse effect observed
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
NOAEL, oral, dogs, 22 mg/kg bw/day, OECD 409, The effects observed are not sufficient for classification.
NOAEL, dermal, Rat, 0,1 mg/kg bw/day, In vivo study, The effects observed are not sufficient for classification.
NOAEC, inhalative, Rat, 2,36 mg/m³, OECD 413, The effects observed are not sufficient for classification.

Mutagenicity Does not contain a relevant substance that meets the classification criteria.

Substance
Melamine, CAS: 108-78-1
in vitro, negativ
in vivo, negativ
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
in vivo, negativ
in vitro, OECD 471, negativ
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
In vitro study, no adverse effect observed

Reproduction toxicity Suspected of damaging fertility.

- Fertility

Substance
Melamine, CAS: 108-78-1
NOAEL, oral, Rat, 89 mg/kg bw/day (subchronic), adverse effect observed
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
NOAEL, oral, Rat, 69 mg/kg bw/day, no adverse effect observed
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
NOAEL, oral, Rat, 22,7 mg/kg bw/day, OECD 416, no adverse effect observed

- Development

Substance
Melamine, CAS: 108-78-1
NOAEL, oral, Rabbit, 150 mg/kg bw/day (subacute), no adverse effect observed
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
NOAEL, oral, Rabbit, 30 mg/kg bw/day (chronic), no adverse effect observed
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 415, no adverse effect observed, Effect on developmental toxicity,

Carcinogenicity Suspected of causing cancer.
Toxicological data of complete product are not available.

Substance
Melamine, CAS: 108-78-1
LOAEL, oral, Rat, 126 mg/kg bw/day (chronic), adverse effect observed
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
NOAEL, dermal, mouse, 400 mg/kg bw/day (chronic), no adverse effect observed
NOAEL, oral, Rat, 3,1 mg/kg bw/day, no adverse effect observed
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9

NOAEL, oral, Rat, 17,2 mg/kg bw/day, OECD 453, no adverse effect observed

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks Toxicological data of complete product are not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Substance
Melamine, CAS: 108-78-1
LC50, (96h), Oncorhynchus kisutch, > 3000 mg/L
EC50, (48h), Daphnia magna, 200 mg/L EPA OPP 72-2
NOEC, (21d), Daphnia magna, >= 11 mg/L OECD 211
ErC50, (96h), Pseudokirchneriella subcapitata, 325 mg/L PRO/FT Algae-AC090-6
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
LC50, (96h), Fish, 4,77 mg/L
EC50, (48h), Invertebrates, 934 µg/L
EC50, (96h), Algae, 72 µg/L
Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, CAS: 55965-84-9
LC50, (96h), Oncorhynchus mykiss, 0,22 mg/L OECD 203
EC50, (48h), Skeletonema costatum, 0,0052 mg/L (ISO 10253) RAC
EC50, (48h), Daphnia magna, 0,1 mg/L OECD 202
EC50, (72h), Pseudokirchneriella subcapitata, 0,048 mg/L OECD 201
NOEC, (48h), Skeletonema costatum, 0,00064 mg/L (ISO 10253) RAC
NOEC, (21d), Daphnia magna, 0,004 mg/L OECD 211
NOEC, (28d), Oncorhynchus mykiss, 0,098 mg/L OECD 215
NOEC, (72h), Pseudokirchneriella subcapitata, 0,0012 mg/L OECD 201

12.2 Persistence and degradability:

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

Substance
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
The product is not readily biodegradable.

12.3 Bio accumulative potential:

Accumulation in organisms is not expected.

Substance
2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
BCF, 3,16
log Kow, <= 0,32, OECD 117

12.4 Mobility in soil:

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6 Endocrine disrupting properties:

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7 Other adverse effects:
None known.

13. DISPOSAL CONSIDERATIONS

Restrictions	There are no product-specific restrictions. However, state and local disposal regulations may apply.
Disposal method	Disposal of this product must comply with the requirements of state and local disposal regulations.
Contaminated packaging	Rinse containers with water before disposal. Preferably re-cycle container, otherwise send to landfill or similar.

14. TRANSPORT INFORMATION

14.1 UN number

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (ADN)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.1 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user:
Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments:
Not applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
This product is considered to be a hazardous substance to the Hazardous Substances and New Organisms Act (HSNO).
Surface Coatings and Colourants (Carcinogenic) Group Standard 2020 - HSR002679 (consolidated and current)

Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are:

MSDS	The content and format of this Safety-Data-Sheet is in accordance with HSNO Approved Code of Practice.
Labelling	No removal of labels and/or decanting of product into other containers can occur.
Emergency plan	No information available.
Approved handler	No information available.
Tracking	No information available.
Bunding & secondary containment	No information available.
Signage	No information available.
Location test certificate	No information available.
Flammable zone	No information available.
Fire extinguisher	No information available.
Note:	Group Standard conditions that must be met: Surface Coatings and

	Colourants (Carcinogenic) Group Standard 2020 HSR002679 (consolidated and current), Schedule 1
Other Legislation	In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health, Safety in Employment Act and Regulations, local Council Rules and Regional Council Plans.

16. OTHER INFORMATION

Abbreviations and acronyms:

AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection Use and Maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS/NZS	Joint Australian New Zealand Standard
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
CCID	Chemical Classification and Information Database
HSNO	Hazardous Substances and New Organisms (New Zealand)
NZS 5433	Transport of Dangerous Goods on Land
NZS	New Zealand Standard SDS Safety Data Sheet
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
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 (European conformity)
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
EuPCS =	European Product Categorisation System
EWC =	European Waste Catalogue
GHS =	Globally Harmonized System of Classification and Labelling of Chemicals
GWP =	Global warming potential
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, Bio accumulative 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
UVBC =	Unknown or variable composition, complex reaction products or of biological materials
VOC =	Volatile Organic Compound
vPvB =	Very Persistent and Very Bio accumulative

16.2 Other Information:

Classification procedure	Carcinogenicity Category 2: H351 Suspected of causing cancer. (Calculation method) reproductive toxicity Category 2: H361f Suspected of damaging fertility. (Calculation method)
Modified position	none

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.

Current Version: 1 September 2025
Revision Information: SDS will be revised every 5 years.
This revision: Updated to meet New Zealand requirements.
Previous version dated: -

Disclaimer:
This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations. Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, no warranty or responsibility can be accepted by Chemsafety Ltd for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their purposes and specific circumstances. Since the information contained in the document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information. The user is responsible for that last revision of this document is used. Please check on www.fireshieldcoatings.com.

End of SDS