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Safety Data Sheet

1. Identification

Product identifier

REVYSTAR®

Recommended uses and restrictions on use (if any)

Recommended use:
crop protection product, fungicide.

Restricted use:
Use according to label.

Manufacturer / Supplier

BASF New Zealand Limited
5E City Works Depot,
77 Cook Street
Auckland 1010
NEW ZEALAND
Phone: + 64 9 255 4300
0800 932 273
E-mail address: reception@basf-nz.co.nz

Emergency telephone number

National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

2. Hazard Identification

Classification of the substance or mixture

Acute oral toxicity	:	Category 4
Acute inhalation toxicity	:	Category 4
Eye irritation	:	Category 2
Skin irritation	:	Category 2
Skin sensitization	:	Category 1
Specific target organ toxicity - repeat exposure	:	Category 2
Aquatic environment - chronic	:	Category 1
Hazardous to terrestrial vertebrates		

GHS Label Elements, including Precautionary Statements:

Signal Word:
WARNING.

Pictograms:

GHS Hazard Statements

H302	:	Harmful if swallowed.
H317	:	May cause an allergic skin reaction.
H332	:	Harmful if inhaled.
H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H410	:	Very toxic to aquatic life with long lasting effects.
	:	Hazardous to terrestrial vertebrates.

GHS Precautionary Statements (Prevention)

P102	:	Keep out of reach of children.
P103	:	Read label before use.
P260	:	Do not breathe mist, vapours and spray.
P261	:	Avoid breathing mist, vapours and spray.
P264	:	Wash hands and face thoroughly after handling.
P270	:	Do not eat, drink or smoke when using this product.
P271	:	Use only outdoors or in a well-ventilated area.
P272	:	Contaminated clothing should not be allowed out of the workplace.
P280	:	Wear protective gloves, protective clothing, eye/face protection.

GHS Precautionary Statements (Response)

P101	:	If medical advice is needed, have product container or label at hand.
P301 + P312	:	IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.
P330	:	Rinse mouth.
P302 + P352	:	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340; P312	:	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338:		IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	:	Get medical advice / attention if you feel unwell.
P321	:	Specific treatment (see supplemental first aid instructions on this lable).
P332 + P313		If skin irritation occurs: Get medical advice/attention.
P333 + P313	:	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	:	If eye irritation persists: Get medical advice/ attention.
P362	:	Take off contaminated clothing and wash before re-use.
P363	:	Wash contaminated clothing before reuse.
P391	:	Collect spillage.

GHS Precautionary Statements (Storage)

No specific storage requirements.

GHS Precautionary Statements (Disposal):

P501	:	Dispose of contents/container to hazardous or special waste collection point. Information regarding disposal considerations can be found in section 13.

Other hazards

No other hazards known.
See section 12 - Results of PBT and vPvB assessment.
To avoid risks to human health and the environment, comply with the instructions for use.
If applicable, information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Substances
Not applicable

Mixtures
Hazardous ingredients (GHS)
According to UN GHS criteria

Mefentrifluconazole
Content (W/W): 9.85 %
CAS Number: 1417782-03-6

Fluxapyroxad
Content (W/W): 4.93 %
CAS Number: 907204-31-3

Decanamide, N,N-dimethyl-
Content (W/W): <25 %
CAS Number: 14433-76-2

Octanamide, N,N-dimethyl-
Content (W/W): <20 %
CAS Number: 1118-92-9

Alcohols, C12-18, ethoxylated propoxylated
Content (W/W): <20 %
CAS Number: 69227-21-0

2-propenoic acid, 2-methyl-, polymer with tert-Bu acrylate, Me methacrylate, polyethylene glycol methacrylate C16-18-alkyl ethers and vinylpyrrolidone, tert-Bu 2-ethylhexaneperoxoate-initiated, compds. with 2-amino-2-methyl-1-propanol
Content (W/W): <15 %
CAS Number: 1515872-09-9

Solvent naphtha
Content (W/W): <10 %
CAS Number: 64742-94-5

Ethanone,1-phenyl-
Content (W/W): <10 %
CAS Number: 98-86-2

Poly(oxy-1,2-ethanediyl), .alpha.-[tris(1-phenylethyl)phenyl]-.omega.-hydroxy-
Content (W/W): <5 %
CAS Number: 99734-09-5

Methyl-Oxirane, Blockpolymer with Oxirane, Monoisotridecyl ether
Content (W/W): <5 %
CAS Number: 196823-11-7

2-pyrrolidone
Content (W/W): <0.5 %
CAS Number: 616-45-5

4. First-Aid Measures

Description of necessary first aid measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms:
Information, i.e. additional information on symptoms and effects may be included in the GHS labelling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far.

Indication of any immediate medical attention and special treatment needed

Treatment:
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Medical advice:
Contact the National Poisons and Hazardous Chemicals Information centre.
Phone 0800 POISON (0800 764 766).

5. Fire-Fighting Measures

Suitable extinguishing media
Water spray, dry powder, foam, carbon dioxide

Specific hazards
carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, halogenated compounds
The substances/groups of substances mentioned can be released in case of fire.

Vapours may form ignitable mixture with air. Prevent electrostatic charge – sources of ignition should be kept well clear – fire extinguishers should be kept handy.

Special protective equipment for fire-fighters
Wear self-contained breathing apparatus and chemical-protective clothing.

Precautions for fire-fighters
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, Protective equipment and Emergency procedures

Do not breathe vapour/spray.
Use personal protective clothing.
Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into the subsoil/soil.
Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment.

7. Handling and Storage

Precautions for safe handling
No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Conditions for safe storage, including any incompatibilities
Segregate from foods and animal feeds.

Further information on storage conditions:
Keep away from heat. Protect from direct sunlight.

Storage stability: 36 months.

Protect from temperatures below -10°C.
Changes in the properties of the product may occur if substance / product is stored below indicated temperature for extended periods of time.

Protect from temperatures above 40°C.
Changes in the properties of the product may occur if substance / product is stored above indicated temperature for extended periods of time.

8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Component:	ethenone, 1-phenyl-
CAS Number:	98-86-2
TWA Value:	10 ppm (source: ACGIHTLV)
Component:	solvent naphtha
CAS Number:	64742-94-5
TWA Value:	200 mg/m^3 Non-aerosol (source: ACGIHTLV) Measured as: total hydrocarbon vapor Application restricted to conditions in which there are negligible aerosol exposures.
Skin Designation:	Danger of cutaneous absorption, Non-aerosol (source: ACGIHTLV)
Component:	Naphthalene, 1-methyl-,
CAS Number:	90-12-0
TWA Value:	0.5 ppm (source: ACGIHTLV)
Skin Designation:	Danger of cutaneous absorption
Component:	Naphthalene, 2-methyl-,
CAS Number:	91-57-6
TWA Value:	0.5 ppm (source: ACGIHTLV)
Skin Designation:	The substance can be absorbed through the skin (source: ACGIHTLV)
Skin Designation:	Danger of cutaneous absorption (source: ACGIHTLV)
Component:	Fluxapyroxad
CAS Number:	907204-31-3
TWA Value:	0.2 mg/m^3 (source: BASF recomm. occupational exposure limit)
Component:	Mefentrifluconazole
CAS Number:	1417782-03-6
TWA Value:	0.68 mg/m^3 (source: BASF recomm. occupational exposure limit)

Engineering controls

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Respiratory protection:
Suitable respiratory protection for lower concentrations or short -term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK-P3).

Hand protection:
Suitable chemical resistant safety gloves (EN 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures
The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form:	Liquid
Colour:	Dark yellow
Odour:	Mild, aromatic
Odour threshold:	Not determined due to potential health hazard by inhalation
pH value:	Approx. 5 – 7 (1% (m), 23°C)
Freezing point:	< -20°C
Boiling point:	>190°C The statements are based on the properties of the individual components.
Flash point:	112°C
Evaporation rate:	Not applicable
Flammability:	Not applicable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	380°C
Vapour pressure:	Approx. 0.45 hPa (25°C) (Information applies to the solvent)
Density:	Approx. 1.02 g/cm^3 (20°C)
Relative vapour density (air):	Not applicable
Solubility in water:	Emsulfiable
Partitioning coefficient n-octanol/water (log Pow):	Not applicable
Thermal decomposition:	320°C, 20 kJ/kg (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, Class 4.1
Explosion hazard:	Not explosive
Fire promoting properties:	Not fire-propagating
Viscosity, dynamic:	Approx. 76 mPa.s (20°C, 100 1/s)

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid
See SDS section 7 - Handling and storage.

Thermal decomposition: 320°C, 20 kJ/kg (onset temperature)
Thermal decomposition: Not a substance liable to self-decomposition according to UN transport regulations, Class 4.1

Incompatible materials / Substances to avoid
Strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Virtually non-toxic after a single skin contact

Experimental/calculated data:

LD50 rat (oral):	>300 - <2,000 mg/kg
LC50 rat (by inhalation):	>1.9 - <5.1 mg/l 4 h An aerosol was tested.
LD50 rat (dermal):	>5,000 mg/kg (limit test) No mortality was observed.

Skin Corrosion / Irritation

Assessment of irritating effects:
Skin contact causes irritation.

Experimental/calculated data:
Skin corrosion/irritation rabbit: Irritant

Serious Eye Damage / Irritation

Assessment of irritating effects:
Eye contact causes irritation.

Experimental/calculated data:
Serious eye damage/irritation rabbit: Irritant.

Respiratory or Skin sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

Experimental/calculated data:
Mouse Local Lymph Node Assay (LLNA) mouse: sensitizing.

Information on: 2-Propenoic acid, 2-methyl-, polymer with tert-Bu acrylate, Me methacrylate, polyethylene glycol methacrylate C16-18-alkyl ethers and vinylpyrrolidone, tert-Bu 2-ethylhexaneperoxoate-initiated, compds, with 2-amino-2-methyl-1-propanol
Assessment of sensitization:
Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

Germ cell mutagenicity

Assessment of mutagenicity:
Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fluxapyroxad
Assessment of carcinogenicity:
Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part.

Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fluxapyroxad
Assessment of reproduction toxicity:
The results in animal studies gave no indication of a fertility impairing effect. May cause harm to children via breast-feeding.

Developmental toxicity

Assessment of teratogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: N,N-Dimethyldecan-1-amide
Assessment of teratogenicity:
The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: N,N-Dimethyloctanamide
Assessment of teratogenicity:
The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 2-pyrrolidone
Assessment of teratogenicity:
Causes developmental effects in animals at high, maternally toxic doses. Due to the low potency of 2-Pyrrolidone, a Specific Concentration Limit (SCL) of 3% was derived for developmental toxicity

Specific target organ toxicity (single exposure)

Assessment of STOT single:
Causes temporary irritation of the respiratory tract..

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Mefentrifluconazole
Assessment of repeated dose toxicity:
Repeated oral exposure to large quantities may affect certain organs; liver. Based on available data, the classification criteria are not met.

Information on: Fluxapyroxad
Assessment of repeated dose toxicity:
Adaptive effects were observed after repeated exposure in animals studies.

Information on: N,N-Dimethyloctanamide
Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components. After repeated exposure the prominent effect is local irritation.

Information on: N,N-Dimethyldecan-1-amide
Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components. After repeated exposure the prominent effect is local irritation.

Information on: 2-pyrrolidone
Assessment of repeated dose toxicity:
The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity - Aquatic

Assessment of aquatic toxicity:
Very toxic to aquatic life with long lasting effects.

Toxicity to fish:

LC50 (96 h):	1.14 mg/l, *Oncorhynchus mykiss*
NOEC (36 d):	0.027 mg ai/l, *Brachydanio rerio*, Mefentrifluconazole
NOEC (33 d):	0.0359 mg ai/l, *Pimephales promelas*, Fluxapyroxad

Aquatic invertebrates:

EC50 (48 h):	2.56 mg/l, *Daphnia magna*
NOEC (21 d):	0.01 mg ai/l, *Daphnia magna*, Mefentrifluconazole
NOEC (21 d):	0.5 mg ai/l, *Daphnia magna*, Fluxapyroxad

Aquatic plants:
EC50 (72 h): 29.319 mg/l (growth rate), *Pseudokirchneriella subcapitata*

EC10 (72 h): 1.816 mg/l (growth rate), *Pseudokirchneriella subcapitata*

Ecotoxicity - Terrestrial

Assessment of terrestrial toxicity:
Hazardous to terrestrial vertebrates. The product has not been tested. The statement has been derived from the properties of the active ingredient.

Toxicity to birds:
Acute oral LD50: 816 mg ai/kg bw, Bobwhite Quail, Mefentrifluconazole

Acute oral LD50: >2,000 mg ai/l, *Colinus virginianus*, Fluxapyroxad

Toxicity to soil organisms:
Acute LC50 (14d): >500 mg ai/kg, *Eisenia fetida*, Mefentrifluconazole

Acute LC50: >2000 mg ai/kg, *Eisenia fetida*, Fluxapyroxad

Toxicity to Pollinators:
LD50 (48h, oral): >100 µg ai/bee, *Apis mellifera*, Mefentrifluconazole
LD50 (48h, contact): >100 µg ai/bee, *Apis mellifera*, Mefentrifluconazole

LD50 (oral): >110.9 µg ai/bee, *Apis mellifera*, Fluxapyroxad
LD50 (contact): >100 µg ai/bee, *Apis mellifera*, Fluxapyroxad

Persistence and degradability

Assessment biodegradation and elimination (H2O):
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Mefentrifluconazole
Assessment biodegradation and elimination (H2O):
Not readily biodegradable.

Information on: Fluxapyroxad
Assessment biodegradation and elimination (H2O):
Not readily biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Mefentrifluconazole
Bioaccumulation potential:
Bioconcentration factor: 385
Does not accumulate in organisms.

Information on: Fluxapyroxad
Bioaccumulation potential:
Bioconcentration factor: 36 - 37 (28 d), Lepomis macrochirus
Does not accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Mefentrifluconazole
Assessment transport between environmental compartments:
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Information on: Fluxapyroxad
Assessment transport between environmental compartments:
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effects

Other ecotoxicological advice:
Do not discharge product into the environment without control.
Do not apply onto or into water.

13. Disposal Considerations

Container:

Triple rinse empty container and add rinsate to the spray tank. Recycle through Agrecovery (0800 247 326, www.agrecovery.co.nz). Do not use container for any other purpose.

Product:

Dispose of this product only by using according to the label or at an approved facility. Do NOT burn product. Do NOT contaminate water with product or used container.
Waste product/packaging may be sent to a suitable incineration plant, observing local regulations.

Contaminated Packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance / product.

14. Transport Information

Commercial transport:

Classified as dangerous good(s) for Land/rail (ADR/RID), sea (IMDG) and air transport (ICAO/IATA):

Land / Rail / Road (ADR/RID):

UN number:	UN 3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains triazole derivative, Fluxapyroxad)
Transport hazard class(es) / UN DG Class:	9, (EHSM)
Packing group:	III

Environmental hazards:	Marine pollutant
HAZCHEM:	3Z
IERG Number:	47
Special precautions when transporting the substance:	None known

Sea transport (IMDG):

UN number:	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains triazole derivative, Fluxapyroxad)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	marine pollutant
Marine pollutant:	Yes
Special precautions when transporting the substance:	EmS: F-A; S-F

Air transport (IATA / ICAO):

UN number:	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains triazole derivative, Fluxapyroxad)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	Yes, marine pollutant
Special precautions when transporting the substance:	None known

Additional Information:

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China “Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements” (JT/T 617.3).

15. Regulatory Information

HSNO Approval Number

HSR101415.
See www.epa.govt.nz for approval conditions.

Tolerable Exposure Limit or Environmental Exposure Limit

TEL:	None set
EEL:	None set

Relevant Regulatory Requirements

Qualifications:	Required. Refer to label.
Certified Handler:	Not required
Tracking:	Not required
Record Keeping:	Required. Refer to label.
Restricted to Workplace:	Not applicable
Controlled substance licence:	Not required

ACVM Registration

P009654
See www.foodsafety.govt.nz/acvm for registration conditions.

International Agreements related to the substance such as Montreal Protocol, the Stockholm Convention or Rotterdam Convention

not applicable

16. Other Information

Date of preparation of the SDS

5 December 2023

Key or legend to abbreviations and acronyms used

ACGIH	The American Conference of Governmental Industrial Hygienists
ACVM	Agricultural Compounds and Veterinary Medicines
ADN	International Carriage of Dangerous Goods by Inland Waterways (EU)
ADR/RID	Dangerous Goods for Road / Rail
DG	Dangerous Goods
EC50	Median effective concentration
EEL	Environmental Exposure Limit
EHSM	Environmental Health and Safety Management
EPA	Environmental Protection Authority
EU	European Union
GHS	Globally Harmonised System
ICAO	International Civil Aviation Organisation
IATA	International Air Transport Association
IERG	International Emergency Response Guide
IMDG	International Maritime Dangerous Goods
LD50	Lethal concentration to 50% of the test population
NOEC	No Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OEL	Operator Exposure Limits
PBT or vPvP	Persistent / Bioaccumulative / Toxic or very Persistent / very Bioaccumulative
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
TDG	Transportation of Dangerous Goods
TEL	Tolerable Exposure Limit
TLVs	Threshold Limit Values
UN GHS	United Nations Globally Harmonised System
WES	Workplace Exposure Standards
49CFR	Code of Federal Regulations Title 49 for Transportation

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.