SAFETY DATA SHEET
Scourban Plus

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	15.08.2018	122000009124	Date of first issue: 15.08.2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Scourban Plus

HSNO Approval Number : HSR002443

ACVM number : A009626

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

Use of the Substance/Mixture : Veterinary medicine

1.3 Details of the supplier of the safety data sheet

Company
Bayer New Zealand Limited
3 Argus Place
0627 HILLCREST, AUCKLAND, NEW ZEALAND
NEW ZEALAND
Tel.: 0800 652 488
Fax: 0800 229 838
Mail: bhc-md-oeko@bayer.com

1.4 Emergency telephone number

In case of emergency: 0800 734 607 IXOM SH&E Shared services (24hr)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

6.3: Skin irritation : Category B

6.5: Skin sensitisation : Category B

6.8: Toxic to Reproduction : Category B

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Sulfadiazine	68-35-9	>= 2,5 -< 10
Benzenesulfonamide, 4-amino-N-(aminoiminomethyl)	57-67-0	>= 1 -< 10
Glycine	56-40-6	>= 1 -< 10
Sodium chloride	7647-14-5	>= 1 -< 10
D-Streptamine, O-2-deoxy-2-(methylamino)-.alpha.-L-glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-Cformyl-.alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N1,N3-bis(aminoiminomethyl)-, sulfate (2:3)	3810-74-0	>= 0,25 -< 1
Guar gum	9000-30-0	>= 0,25 -< 1
Methyl 4-hydroxybenzoate	99-76-3	>= 0,1 -< 0,25
Neomycin sulfate	1405-10-3	>= 0,1 -< 1
Propyl 4-hydroxybenzoate	94-13-3	>= 0,1 -< 0,25

SECTION 4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.
You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24hr emergency service).

If inhaled : Remove to fresh air.
Call a physician immediately.

In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.
If skin reactions occur, contact a physician.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed	:	If swallowed, seek medical advice immediately and show this container or label.
Most important symptoms and effects, both acute and delayed	:	No information available. No information available.
Notes to physician	:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO2) Nitrogen oxides (NOx) Sulphur oxides
Specific extinguishing methods	:	Prevent fire extinguishing water from contaminating surface water or the ground water system.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Use with adequate ventilation. No special precautions required.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning up	:	Suppress (knock down) gases/vapours/mists with a water spray jet. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in closed containers. Label for proper disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special protective measures against fire required.
Advice on safe handling	:	Industrial uses: Avoid formation of aerosol. Use with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

Hygiene measures : Cleanliness Guidelines (GMP) for manufacturing of drugs must be observed!

Conditions for safe storage : For storage suitable stores with adequate product-reception volume must be used.
During handling local official regulations must be observed in order to avert impairment of water by the product.

To preserve quality, protect from temperatures above +30 °C.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Kaolin	1332-58-7	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable fraction)	2 mg/m3	ACGIH
Glycerol	56-81-5	WES-TWA (Mist)	10 mg/m3	NZ OEL
Neomycin sulfate	1405-10-3	SUP	0,1 mg/m³	

Personal protective equipment

Respiratory protection : Recommended respiratory protection: full mask with filter ABEK-ST (ABEK-P3)

Hand protection

Material : Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC wear

Remarks : Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.

Eye protection : Safety glasses

Protective measures : No special safety precautions are required during handling of pharmaceuticals in their intended finished form (tablets or liquid formulations) by chemists, the hospital's medical staff or patients.
For the intake of ready for use pharmaceutials or the external use on the skin please read the label and the package leaflet.
The personal protective equipment is applicable for the handling of bulk material without packaging and for incidents if an exposure by the active ingredient or hazardous components can be expected.
Wear suitable protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension
Colour	:	pink
Odour	:	sweet, characteristic
Burning number	:	The product is not flammable.
Decomposition temperature	:	No data available
Explosive properties	:	No statements available.
Oxidizing properties	:	No statements available.
Impact sensitivity	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	:	No statements available.
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	No data available
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	Carbon oxides Nitrogen oxides (NOx) Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate (ATE): > 5.000 mg/kg Method: Calculation method Acute toxicity estimate (ATE): > 5.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Remarks: This information is not available.
Acute dermal toxicity	:	Acute toxicity estimate (ATE): > 5.000 mg/kg Method: Calculation method Acute toxicity estimate (ATE): > 5.000 mg/kg Method: Calculation method

Components:

Sulfadiazine:

Acute oral toxicity : LD50 (Mouse): 1.500 mg/kg

Benzenesulfonamide, 4-amino-N-(aminoiminomethyl):

Acute oral toxicity : LD50 (Dog): 2.000 mg/kg

Glycine:

Acute oral toxicity : LD50 (Rat): 7.930 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : Assessment: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : Assessment: No adverse effect has been observed in acute toxicity tests.

Sodium chloride:

Acute oral toxicity : LD50 (Rat): > 3.980 mg/kg
Assessment: The component/mixture is minimally toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat, male): > 10,5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: Expert judgement
Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rabbit): > 10.000 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

D-Streptamine, O-2-deoxy-2-(methylamino)-.alpha.-L-glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-Cformyl-.

alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N1,N3-bis(aminoiminomethyl)-, sulfate (2:3)**:**

Acute oral toxicity : LD50 (Rat): 430 mg/kg

LD50 (Mouse): 430 mg/kg

Guar gum:

Acute oral toxicity : LD50 (Rat): 6.770 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

LD50 (Mouse): 8.100 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

LD50 (Rabbit): 7.000 mg/kg

Assessment: No adverse effect has been observed in acute toxicity tests.

Neomycin sulfate:

Acute oral toxicity : LD50 (Rat): 2.750 mg/kg

Propyl 4-hydroxybenzoate:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Method: OECD 401
Test substance: in polyethylene glycol 400
GLP: no
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute toxicity (other routes of administration) : LD50 (Mouse): 200 mg/kg
Application Route: Intraperitoneal

LD50 (Mouse): 1.650 mg/kg
Application Route: Subcutaneous

Skin corrosion/irritation

Components:

Glycine:

Result: No skin irritation

Sodium chloride:

Species: Rabbit
Method: OECD 404
Result: No skin irritation

Methyl 4-hydroxybenzoate:

Species: Rabbit
Exposure time: 24 h
Result: No skin irritation

Neomycin sulfate:

Species: Rabbit
Method: OECD 404
Result: No skin irritation

Propyl 4-hydroxybenzoate:

Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Product:

Remarks: No information available.

Components:

Glycine:
Result: No eye irritation

Sodium chloride:
Species: Rabbit
Result: No eye irritation
Method: OECD 405
Remarks: Mechanical irritation of the eyes is possible.

Methyl 4-hydroxybenzoate:
Species: Rabbit
Result: Mild eye irritation
Assessment: The available study results do not lead to a GHS classification

Neomycin sulfate:
Species: Rabbit
Result: Mild eye irritation
Method: OECD 405
Remarks: The available study results do not lead to a GHS classification

Propyl 4-hydroxybenzoate:
Species: Rabbit
Result: No eye irritation
Exposure time: 1 - 72 h
Method: OECD 405
GLP: yes

Respiratory or skin sensitisation

Product:
Result: May cause sensitisation by skin contact.

Components:

Sulfadiazine:
Result: May cause sensitisation by skin contact.

Result: May cause sensitisation by inhalation.

Glycine:
Assessment: An acute toxic effect is not expected.

Sodium chloride:
Test Type: Skin sensitisation
Species: Mouse
Result: Did not cause sensitisation on laboratory animals.

Methyl 4-hydroxybenzoate:

Test Type: Skin sensitisation
Species: Guinea pig
Method: OECD 406
Result: Does not cause skin sensitisation.

Neomycin sulfate:

Result: May cause sensitisation by skin contact.

Result: May cause sensitisation by inhalation.

Propyl 4-hydroxybenzoate:

Test Type: Skin sensitisation
Species: Guinea pig
Method: OECD 406
Result: Does not cause skin sensitisation.

Test Type: Skin sensitisation
Species: Mouse
Method: OECD 429
Result: Does not cause skin sensitisation.

Chronic toxicity

Germ cell mutagenicity

Product:

Genotoxicity in vitro	:	Result: No statements available.
Genotoxicity in vivo	:	Result: No statements available.

Components:

Glycine:

Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Result: negative

Sodium chloride:

Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD 471 Result: negative
Genotoxicity in vivo	:	Test Type: Chromosome aberration test in vivo Species: Rat (female) Cell type: Bone marrow Application Route: Intraperitoneal Method: OECD 475 Result: positive Remarks: The available study results do not lead to a GHS

classification

Methyl 4-hydroxybenzoate:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative

Test Type: Chromosome aberration test in vitro
Test system: Hamster V79-cells
Metabolic activation: no
Method: OECD 473
Result: negative

Test Type: Chromosome aberration test in vitro
Test system: Hamster V79-cells
Metabolic activation: yes
Method: OECD 473
Result: positive

Genotoxicity in vivo : Test Type: Dominant lethale test
Species: Rat (male)
Application Route: Oral
Method: OECD 478
Result: negative

Test Type: Chromosome aberration test in vivo
Species: Rat (male)
Application Route: Oral
Method: OECD 475
Result: negative

Neomycin sulfate:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Method: OECD 471
Result: No indication of mutagenic effects.

Propyl 4-hydroxybenzoate:

Genotoxicity in vitro : Test Type: In vitro gene mutation study in mammalian cells
Test system: Hamster V79-cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative

Test Type: Reverse Mutation test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: no

Genotoxicity in vivo : Test Type: Dominant lethale test

Species: Rat (male)
Application Route: Oral
Exposure time: Multiple dose
Method: OECD 478
Result: negative
Test substance: Data on a comparable substance

Reproductive toxicity

Components:

Neomycin sulfate:

Effects on fertility : Species: Rat
Application Route: Oral
Frequency of Treatment: 1 daily
General Toxicity - Parent: NOAEL: 25 mg/kg
General Toxicity F2: NOAEL: 25 mg/kg
Remarks: There were no adverse effects seen at highest dose tested.

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.
Some evidence of adverse effects on development, based on animal experiments.

Propyl 4-hydroxybenzoate:

Effects on fertility : Test Type: Two-generation study
Species: Rat
General Toxicity - Parent: NOAEL: 1.029 mg/kg
General Toxicity F1: NOAEL: 1.125 mg/kg
Method: OECD 422
Result: Animal studies have produced no evidence of toxic effects on reproduction.

STOT - single exposure

Components:

Sulfadiazine:

Assessment: May cause respiratory irritation.

Benzenesulfonamide, 4-amino-N-(aminoiminomethyl):

Assessment: May cause respiratory irritation.

Repeated dose toxicity

Components:

Glycine:

Repeated dose toxicity - Assessment : An acute toxic effect is not expected.

Sodium chloride:

Species: Rat, male
LOAEL: 2.533 mg/kg
Application Route: Oral
Exposure time: 24 month
Number of exposures: Continuous exposure via feed.
Method: OECD 453

Methyl 4-hydroxybenzoate:

Species: Rat, male and female
NOAEL: 250 mg/kg
Application Route: Oral
Exposure time: 28-day
Method: OECD 407
Test substance: in polyethylene glycol 400
GLP: yes

Neomycin sulfate:

Species: Guinea pig
NOAEL: 10 mg/kg
Application Route: Oral
Exposure time: 3 month
Number of exposures: Once daily
Remarks: There were no adverse effects seen at highest dose tested.

Propyl 4-hydroxybenzoate:

Species: Rat, male
NOAEL: 980,9 mg/kg
Application Route: Oral
Exposure time: 28-day
Method: OECD 422

Species: Rat, female
NOAEL: 1.076,4 mg/kg
Application Route: Oral
Exposure time: 28-day
Method: OECD 422

Species: Dog, male and female
NOAEL: 1.000 mg/kg
Application Route: Oral
Exposure time: 12 month

Experience with human exposure

Components:

Guar gum:

General Information : Repeated contact may cause allergic reactions in very susceptible persons.

Further information

Components:

Sodium chloride:

Remarks: If swallowed
After absorption of large quantities
Nausea
Vomiting

Neomycin sulfate:

Pharmaceutic effects
Remarks: Antibiotic

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Glycine:

Ecotoxicology Assessment

Acute aquatic toxicity	:	slightly water endangering

Sodium chloride:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 7.650 mg/l Exposure time: 96 h Test Type: Acute Fish toxicity Method: OECD 203 LC50 (Lepomis macrochirus (Bluegill sunfish)): 5.840 mg/l Exposure time: 96 h Test Type: flow-through test
Toxicity to fish (Chronic toxicity)	:	NOEC (Pimephales promelas (fathead minnow)): 252 mg/l Exposure time: 33 d Method: OECD 210 Lowest Observed Effect Concentration (Pimephales promelas (fathead minnow)): 352 mg/l Exposure time: 33 d Method: OECD 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia pulex (Water flea)): 314 mg/l Exposure time: 21 d Test Type: Reproductive toxicity Method: OECD 211 Lowest Observed Effect Concentration (Daphnia pulex (Water flea)): 441 mg/l Exposure time: 21 d Test Type: Reproductive toxicity Method: OECD 211

Toxicity to microorganisms	:	EC10 (activated sludge micro-organism): 35.000 mg/l
Toxicity to soil dwelling organisms	:	Test Type: laboratory study LC50 (Eisenia fetida (earthworms)): > 3.507 mg/kg Exposure time: 70 d
Toxicity to terrestrial organisms	:	LD50 (Passer domesticus (house sparrow)): 8.000 mg/kg Exposure time: 72 d

Ecotoxicology Assessment

Acute aquatic toxicity	:	slightly water endangering

Guar gum:

Ecotoxicology Assessment

Acute aquatic toxicity	:	slightly water endangering

Methyl 4-hydroxybenzoate:

Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): 59,5 mg/l Exposure time: 96 h Test Type: Semi-static test Analytical monitoring: yes Method: OECD 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 11,2 mg/l Exposure time: 48 h Test Type: Immobilization Method: ISO 6341
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 91 mg/l Exposure time: 72 h Test Type: Growth rate Method: ISO 8692
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	EC50 (Daphnia magna (Water flea)): 5,32 mg/l Exposure time: 21 d Test Type: Reproductive toxicity Analytical monitoring: yes Method: OECD 211 NOEC (Daphnia magna (Water flea)): 0,2 mg/l Exposure time: 21 d Test Type: Reproductive toxicity Analytical monitoring: yes Method: OECD 211
Toxicity to microorganisms	:	IC50 (Tetrahymen pyriformis): 125 mg/l Exposure time: 48 h

Neomycin sulfate:

Toxicity to fish	:	NOEC (Salmo gairdneri): > 1.000 mg/l

Exposure time: 96 h
Method: OECD 203
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 68 mg/l
Exposure time: 48 h
Method: OECD 202

Toxicity to microorganisms : EC50 (activated sludge micro-organism): 399 mg/l
Exposure time: 3 h
Method: OECD 209

Propyl 4-hydroxybenzoate:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 6,4 mg/l
Exposure time: 96 h
Test Type: Static test
Method: OECD 203
GLP: yes

NOEC (Danio rerio (zebra fish)): 3,4 mg/l
Exposure time: 96 h
Test Type: Static test
Method: OECD 203
GLP: yes

Lowest Observed Effect Concentration (Danio rerio (zebra fish)): 8,2 mg/l
Exposure time: 96 h
Test Type: Static test
Method: OECD 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 15,4 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: ISO 6341

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 16 mg/l
Exposure time: 72 h
Test Type: Growth rate
Analytical monitoring: yes
Method: OECD 201
GLP: yes

EC50 (Pseudokirchneriella subcapitata (green algae)): 7,6 mg/l
Exposure time: 72 h
Test Type: Biomass
Analytical monitoring: yes
Method: OECD 201
GLP: yes

NOEC (Pseudokirchneriella subcapitata (green algae)): 2,1 mg/l
Exposure time: 72 h

Analytical monitoring: yes
Method: OECD 201
GLP: yes

Lowest Observed Effect Concentration (Pseudokirchneriella subcapitata (green algae)): 4,6 mg/l
Exposure time: 72 h
Analytical monitoring: yes
Method: OECD 201
GLP: yes

Toxicity to microorganisms : NOEC: >= 20 mg/l
Exposure time: 28 d
Analytical monitoring: no
Method: OECD 301F
GLP:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Persistence and degradability

Components:

Sodium chloride:

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

Methyl 4-hydroxybenzoate:

Biodegradability : aerobic
Concentration: 20 mg/l
Biochemical oxygen demand
Result: rapidly biodegradable
Biodegradation: 92,2 %
Exposure time: 28 d
Method: OECD 301F

Stability in water : Test Type: Hydrolysis
Remarks: not hydrolyzed.

Propyl 4-hydroxybenzoate:

Biodegradability : aerobic
Concentration: 20 mg/l
Theoretical oxygen demand
Result: rapidly biodegradable
Biodegradation: 91,5 %
Exposure time: 28 d
Method: OECD 301F

anaerobic
Concentration: 20 mg/l
Biodegradation: 18 %
Exposure time: 90 d

Method: ISO 11734

Bioaccumulative potential

Components:

Methyl 4-hydroxybenzoate:

Bioaccumulation	:	Bioconcentration factor (BCF): 6,4 Method: Calculation method Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water	:	Pow: 95,5 (22 °C) log Pow: 1,98 (22 °C) pH: 7,5 Method: OECD 107

Neomycin sulfate:

Partition coefficient: n-octanol/water	:	log Pow: < 2

Propyl 4-hydroxybenzoate:

Bioaccumulation	:	Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water	:	log Pow: 2,94 (37 °C) pH: 3 Method: OECD 107 GLP: no

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information	:	Do not allow to enter surface waters or groundwater.

Components:

Sodium chloride:

Results of PBT and vPvB assessment	:	Remarks: Not applicable

Methyl 4-hydroxybenzoate:

Results of PBT and vPvB assessment	:	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Propyl 4-hydroxybenzoate:

Results of PBT and vPvB assessment	:	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	:	Contaminated, empty containers are to be treated in the same way as the contents.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
No statements available.

HSNO Approval Number
HSR002443

HSNO Controls
Approved handler certificate not required.
HSNO tracking not required.
Refer to EPA user guide to the HSNO control regulations for further information.

The components of this product are reported in the following inventories:

NZIoC	:	On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% re-

sponse; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Date format	:	dd.mm.yyyy
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average

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NZ / EN