GVP 500 OC NM

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 12/14/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : GVP 500 OC NM

1.2. Recommended use and restrictions on use

Recommended use : Restricted to professional users, Spray Applied insulation
Restrictions on use : All other uses not recommended above

1.3. Supplier

Green Valley Products LLC
701 Spinks Road
Suite 400
Lewiville, Texas 75067
T 281-299-7406 USA
swilliams@greenvalleyproducts.com

1.4. Emergency telephone number

Emergency number : 281-299-7406

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral) Category 4 — Harmful if swallowed
Skin corrosion/irritation Category 2 — Causes skin irritation
Serious eye damage/eye irritation Category 2A — Causes serious eye irritation
Germ cell mutagenicity Category 2 — Suspected of causing genetic defects
Carcinogenicity Category 1B — May cause cancer
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : Harmful if swallowed
Causes skin irritation
Causes serious eye irritation
Suspected of causing genetic defects
May cause cancer
Precautionary statements (GHS US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective clothing, eye protection, face protection, protective gloves.
If swallowed: Call a poison center or doctor if you feel unwell.

Rinse mouth.
If on skin: Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

46.05% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
76.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
41.45% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	CAS-No.: 1244733-77-4	Trade Secret	Acute Tox. 4 (Oral), H302
4-Nonylphenol, branched, ethoxylated	CAS-No.: 127087-87-0	Trade Secret	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319
N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine	CAS-No.: 6711-48-4	Trade Secret	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1C, H314 Eye Dam. 1, H318
2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol	CAS-No.: 36483-57-5	Trade Secret	Eye Irrit. 2A, H319 Muta. 2, H341 Carc. 1B, H350
Tris(2-chloro-1-methylethyl) phosphate	CAS-No.: 13674-84-5	Trade Secret	Acute Tox. 4 (Oral), H302 Aquatic Chronic 3, H412
2-[[2-(dimethylamino)ethyl]methylamino]ethanol	CAS-No.: 2212-32-0	Trade Secret	Flam. Liq. 4, H227 Skin Corr. 1C, H314 Eye Dam. 1, H318

Name	Product identifier	%	GHS US classification
1,1,3,3-Tetramethylguanidine	CAS-No.: 80-70-6	Trade Secret	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth and spit the fluids out. Drink plenty of water. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating. Stinging, redness, itching, tears, blurred vision, swelling.

Symptoms/effects after ingestion : May cause irritation to the digestive tract.

Most Important Symptoms/Effects : Irritation to eyes, skin and respiratory tract.

Chronic symptoms : May cause cancer. Suspected of causing genetic defects.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Alcohol-resistant foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Thermal decomposition generates : Ammonia. Carbon dioxide. Carbon monoxide. Nitrous oxide.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear the recommended personal protective equipment.

Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe mist, spray, vapors, gas. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.

6.1.2. For emergency responders

Protective equipment : Wear the recommended personal protective equipment.

Emergency procedures : Evacuate personnel to a safe area. Stop leak if safe to do so. Remove all sources of ignition. Ventilate spillage area.

6.2. Environmental precautions

Do not let the product reach soil, drains, sewers, or surface and ground water. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain with non-combustible inert absorbent.

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Wear personal protective equipment. Handle and open container with care. Do not get in eyes, on skin, or on clothing. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

Storage temperature : 10 –32.2 °C / 50-90 °F

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

GVP 500 OC NM

No additional information available

4-Nonylphenol, branched, ethoxylated (127087-87-0)

No additional information available

2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol (36483-57-5)

No additional information available

Tris(2-chloro-1-methylethyl) phosphate (13674-84-5)

No additional information available

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate (1244733-77-4)

No additional information available

1,1,3,3-Tetramethylguanidine (80-70-6)

No additional information available

2-[[2-(dimethylamino)ethyl]methylamino]ethanol (2212-32-0)

No additional information available

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine (6711-48-4)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation or process enclosure to keep the airborne concentrations below the permissible exposure limits.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.

Hand protection:

Wear protective gloves. The following materials are suitable for protective gloves: Butyl rubber, Neoprene, Polyvinylalcohol (PVA)

Eye protection:

Chemical goggles or face shield

Skin and body protection:

Body protection should be chosen depending on activity and possible exposure. Wear suitable protective clothing

Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA complaint respiratory protection program.

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid.
Appearance	:	Liquid.
Color	:	Greenish yellow
Odor	:	No data available
Odor threshold	:	No data available
pH	:	10.8
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	> 93 °C / 200 °F
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Density	:	1.102 g/cm³
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	100 –300 cP 25 °C / 77 °F
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Ammonia. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified

GVP 500 OC NM	
ATE US (oral)	1125.044 mg/kg body weight
Unknown acute toxicity (GHS US)	46.05% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 76.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 41.45% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

4-Nonylphenol, branched, ethoxylated	
LD50 oral rat	< 5000 mg/kg body weight Typical for this family of materials: LD50, rat, 960- 3,980 mg/kg
LC50 Inhalation - Rat	Typical for this family of materials: LC50, rat, 4 hour, dust/mist, 1.15mgl

2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol	
LD50 oral rat	> 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight

Tris(2-chloro-1-methylethyl) phosphate	
LD50 oral rat	930 –1550 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 7 mg/l/4h

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
LD50 oral rat	500 –2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 7 mg/l/4h

1,1,3,3-Tetramethylguanidine	
LD50 oral rat	835 mg/kg body weight

2-[[2-(dimethylamino)ethyl]methylamino]ethanol	
LD50 oral rat	2570 –3081 mg/kg body weight

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine	
LD50 oral rat	1250 –1600 mg/kg body weight
LD50 dermal rabbit	370 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.
pH: 10.8

GVP 500 OC NM	
In Vitro Membrane Barrier Test Method for Skin Corrosion	Non-corrosive

4-Nonylphenol, branched, ethoxylated	
pH	5.95 Temp.: 26 °C Concentration: 1 other:
Additional information	Not irritating to rabbits on cutaneous application

2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol	
Additional information	Not irritating to rabbits on cutaneous application

Tris(2-chloro-1-methylethyl) phosphate	
Additional information	Not irritating to rabbits on cutaneous application

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
Additional information	Not irritating to rabbits on cutaneous application

1,1,3,3-Tetramethylguanidine	
Skin corrosion/irritation, rabbit	Highly corrosive to skin

2-[[2-(dimethylamino)ethyl]methylamino]ethanol	
Skin corrosion/irritation, rabbit	Corrosive

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine	
In vitro Membrane Barrier Test for Skin Corrosion	Skin corrosion/irritation Category 1C

Serious eye damage/irritation : Causes serious eye irritation.
pH: 10.8

4-Nonylphenol, branched, ethoxylated	
pH	5.95 Temp.: 26 °C Concentration: 1 other:
Additional information	Moderate eye irritation : Rabbit

2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol	
Additional information	Severely irritating to the eyes : Rabbit

Tris(2-chloro-1-methylethyl) phosphate	
Additional information	Not irritating to rabbits on ocular application

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
Additional information	Not irritating to rabbits on ocular application

Respiratory or skin sensitization : Not classified

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
Additional information	Local Lymph Node Assay : Negative

Germ cell mutagenicity : Suspected of causing genetic defects.

Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified

Tris(2-chloro-1-methylethyl) phosphate	
LOAEL (animal/female, F0/P)	99 mg/kg body weight
NOAEL (animal/male, F0/P)	85 mg/kg body weight

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
LOAEL (animal/female, F0/P)	≈ 99 mg/kg body weight
NOAEL (animal/male, F0/P)	≈ 85 mg/kg body weight

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine	
NOAEL (animal/male, F0/P)	50 mg/kg body weight

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
LOAEL (oral,rat,90 days)	≈ 99 mg/kg body weight
NOAEL (oral,rat,90 days)	≈ 85 mg/kg body weight

2-[[2-(dimethylamino)ethyl]methylamino]ethanol	
NOAEL (oral,rat,90 days)	100 mg/kg body weight

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine	
LOAEL (oral,rat,90 days)	250 mg/kg body weight
NOAEL (subchronic,oral,animal/male,90 days)	750 mg/kg body weight
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating. Stinging, redness, itching, tears, blurred vision, swelling.

Symptoms/effects after ingestion : May cause irritation to the digestive tract.

Most Important Symptoms/Effects : Irritation to eyes, skin and respiratory tract.

Chronic symptoms : May cause cancer. Suspected of causing genetic defects.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

4-Nonylphenol, branched, ethoxylated	
LC50 - Fish [1]	84.7 mg/l
EC50 - Crustacea [1]	14 mg/l
EC50 72h - Algae [1]	19.48545 mg/l
EC50 96h - Algae [1]	12 mg/l

2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol	
LC50 - Fish [1]	32 mg/l
EC50 72h - Algae [1]	28 mg/l
EC50 72h - Algae [2]	> 100 mg/l
NOEC (chronic)	10 mg/l

Tris(2-chloro-1-methylethyl) phosphate	
LC50 - Fish [1]	51 mg/l
EC50 - Crustacea [1]	131 mg/l
EC50 72h - Algae [1]	82 mg/l
EC50 72h - Algae [2]	33 mg/l
NOEC (chronic)	32 mg/l
NOEC chronic fish	5.2 mg/l

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate	
LC50 - Fish [1]	56.2 mg/l
EC50 - Crustacea [1]	131 mg/l
EC50 72h - Algae [1]	82 mg/l
NOEC (chronic)	32 mg/l

1,1,3,3-Tetramethylguanidine	
LC50 - Fish [1]	956.769 mg/l
EC50 - Crustacea [1]	> 100 mg/l
LC50 - Fish [2]	16302.2 mg/l
EC50 72h - Algae [1]	> 100 mg/l

2-[[2-(dimethylamino)ethyl]methylamino]ethanol	
LC50 - Fish [1]	> 54 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	54 mg/l

2-[[2-(dimethylamino)ethyl]methylamino]ethanol	
EC50 72h - Algae [2]	42 mg/l

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine	
LC50 - Fish [1]	21.4 mg/l
EC50 - Crustacea [1]	50.3 mg/l
EC50 72h - Algae [1]	7.9 mg/l
LOEC (chronic)	6.06 mg/l
NOEC (chronic)	3.64 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance

Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.

Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated

DOT	IMDG	IATA
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

4-Nonylphenol, branched, ethoxylated	CAS-No. 127087-87-0	Trade Secret%

15.2. International regulations

CANADA

4-Nonylphenol, branched, ethoxylated (127087-87-0)

Listed on the Canadian DSL (Domestic Substances List)

2,2-dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)propan-1-ol (36483-57-5)

Listed on the Canadian DSL (Domestic Substances List)

Tris(2-chloro-1-methylethyl) phosphate (13674-84-5)

Listed on the Canadian DSL (Domestic Substances List)

1-chloropropan-2-yl bis(2-chloropropyl) phosphate; bis(1-chloropropan-2-yl) 2-chloropropyl phosphate; tris(1-chloropropan-2-yl) phosphate; tris(2-chloropropyl) phosphate (1244733-77-4)

Listed on the Canadian DSL (Domestic Substances List)

1,1,3,3-Tetramethylguanidine (80-70-6)

Listed on the Canadian DSL (Domestic Substances List)

2-[[2-(dimethylamino)ethyl]methylamino]ethanol (2212-32-0)

Listed on the Canadian DSL (Domestic Substances List)

N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine (6711-48-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Tris(2-chloro-1-methylethyl) phosphate (13674-84-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases	
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.