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

1.1 Product identifier

Trade name	:	TOLCIDE PS 20 A
FIFRA Registration number	:	4564-18

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

Uses of the Substance / Mixture	:	Specific use(s): FIFRA regulated use only., Biocidal product

1.3 Details of the supplier of the safety data sheet

Company	:	Solvay USA Inc., NOVECARE 8 Cedar Brook Drive Cranbury, NJ, 08512-7500, US Telephone number: 800-973-7873

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)

Acute toxicity, Category 3	H331: Toxic if inhaled.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the unborn child.

2.2 Label elements

HCS 2012 (29 CFR 1910.1200)

Pictogram :

Signal Word : Danger

Hazard Statements:

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
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/ vapors/ spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear eye protection/ face protection.
P280	Wear protective gloves.
P281	Use personal protective equipment as required.

Response

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P310	Immediately call a POISON CENTER or doctor/ physician.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P363	Wash contaminated clothing before reuse.

Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal

P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards which do not result in classification

H401: Toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable, this product is a mixture.

3.2 Mixture

Chemical nature : Aqueous solution

Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	18 - 22

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice : Show this material safety data sheet to the doctor in attendance.
First responder needs to protect himself.
Place affected apparel in a sealed bag for subsequent decontamination.
Plan first aid action before beginning work with this product.
In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

If inhaled : Move to fresh air.
Keep at rest.
Consult a physician.

Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with plenty of water.
Wash immediately and thoroughly for a prolonged period (at least 15 minutes).
Get medical attention if irritation develops and persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get immediate medical advice/ attention.

Ingestion : Do not induce vomiting without medical advice.
If victim is conscious:
Rinse mouth with water.
Keep at rest.
Never give anything by mouth to an unconscious person.
Do not leave the victim unattended.
Vomiting may occur spontaneously
Risk of product entering the lungs on vomiting after ingestion.
Lay victim on side.
Get immediate medical advice/ attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	Lachrymation Ingestion may provoke the following symptoms: Nausea Liver disorders
Risks	:	Skin contact may aggravate existing skin disease

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. There is no specific antidote available.

SECTION 5: Firefighting measures

Flash point	:	Not applicable (aqueous liquid).
Autoignition temperature	:	no data available
Flammability / Explosive limit	:	no data available

5.1 Extinguishing media

Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.
Unsuitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting	:	Harmful or toxic vapors are released. Do not allow run-off from fire fighting to enter drains or water courses. Under fire conditions: Will burn (following evaporation of water) Hazardous decomposition products Phosphorus trihydride (phosphine) Oxides of phosphorus Sulfur oxides Carbon oxides

5.3 Advice for firefighters

Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Personal protective equipment comprising: suitable protective gloves, safety

		goggles and protective clothing Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
Specific fire fighting methods	:	Standard procedure for chemical fires.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	:	Do not breathe spray. Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Environmental precautions	:	Do not allow uncontrolled discharge of product into the environment. Contain the spilled material by diking. Do not flush into surface water or sanitary sewer system. Do not let product enter drains. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies

6.3 Methods and materials for containment and cleaning up

Recovery	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
	:	Never return spills in original containers for re-use.
Decontamination / cleaning	:	Wash nonrecoverable remainder with large amounts of water. Recover the cleaning water for subsequent disposal.
	:	Decontaminate tools, equipment and personal protective equipment in a segregated area.
Disposal	:	Dispose of contents/ container to an approved waste disposal plant. Dispose of in accordance with local regulations.

6.4 Reference to other sections

Reference to other sections	:	For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	:	Provide adequate ventilation.
Advice on safe handling and usage	:	Avoid exposure - obtain special instructions before use. This product must only be handled by skilled operators. Reduce the duration of exposure to the minimum required. Avoid formation of aerosol. Avoid the formation or spread of mists in the atmosphere. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation/personal protection. Do NOT handle without gloves.
Hygiene measures	:	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

7.2 Conditions for safe storage, including any incompatibilities

Technical Measures for storage	:	Prevent unauthorized access. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions

Recommended	:	Keep in a dry, cool and well-ventilated place. Keep container tightly closed.
To be avoided	:	Keep away from incompatible materials to be indicated by the manufacturer Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products	:	Do not mix with incompatible materials (See list, section 10).

Packaging Measures

Packaging Measures	:	Polyethylene or polypropylene drums., Stainless steel
Packaging materials—Recommended	:	Plastic materials (polyethylene).
Packaging materials—To be avoided	:	Ordinary steel.

Storage stability

Storage temperature	:	no data available
Other data	:	No decomposition if stored and applied as directed.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Ingredients with workplace control parameters

Ingredients	Value type	Value	Basis
Tetrakis(Hydroxymethyl) Phosphonium Sulfate	TWA	2 mg/m3	ACGIH
	Central nervous system, 2014 Adoption, Not classifiable as a human carcinogen		

8.2 Exposure controls

Control measures

Engineering measures : Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :

Avoid splashes.
Effective exhaust ventilation system
Facilities and equipment easily cleanable.
Separate rooms are required for washing, showering and changing clothes.

Personal protective equipment

Respiratory protection	:	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Use a respirator with an approved filter if a risk assessment indicates this is necessary.
Hand protection	:	Glove material: Polyvinyl alcohol or nitrile- butyl-rubber gloves Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	:	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of: Safety glasses with side-shields In case of contact through splashing: Wear face-shield and protective suit.
Skin and body protection	:	Wear suitable protective clothing, gloves and eye/face protection. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Remove and wash contaminated apparel.
Hygiene measures	:	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
Protective measures	:	Always have on hand a first-aid kit, together with proper instructions. Ensure that eyewash stations and safety showers are close to the workstation location. The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance	:	Physical state: liquid Color: pale yellow to pale pink
Odor	:	characteristic
Odor Threshold	:	no data available
pH	:	3.0 - 6.0
Freezing point	:	32 °F (0 °C)
Boiling point/boiling range	:	227.3 °F (108.5 °C) (759.81 mmHg (1,013.00 hPa))
Flash point	:	Not applicable (aqueous liquid).
Evaporation rate (Butylacetate = 1)	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Flammability / Explosive limit	:	no data available
Autoignition temperature	:	no data available
Vapor pressure	:	no data available
Vapor density	:	no data available
Density	:	1.08 - 1.13 g/cm3 (68 °F (20 °C))
Solubility	:	Water solubility : completely miscible Solubility in other solvents: not determined
Partition coefficient: n-octanol/water	:	log Pow: -9.8 Structure-activity relationship (SAR), estimated
Thermal decomposition	:	> 320 °F (160 °C)
Viscosity	:	no data available

Explosive properties	:	no data available
Oxidizing properties	:	no data available

9.2 Other information

Molecular weight	:	406.3 g/mol

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	:	Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Chemical stability	:	Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No decomposition if stored and applied as directed.

Polymerization	:	Hazardous polymerization does not occur.

10.4 Conditions to avoid

Conditions to avoid	:	No dangerous reaction known under conditions of normal use.

10.5 Incompatible materials

Materials to avoid	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents.

10.6 Hazardous decomposition products

Decomposition products	:	Oxides of phosphorus Sulfur oxides Hydrogen Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). PHOSPHINE

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	:	LD50 : 575 mg/kg - Rat , for males and females Unpublished internal reports THPS 75% Not classified as harmful if swallowed According to the classification criteria for mixtures.
Acute inhalation toxicity	:	LC50 - 4 h (Dust) : 0.59 mg/l - Rat , for males and females Published data THPS 75% Humans Symptoms: Watering of the eyes Harmful by inhalation. According to the classification criteria for mixtures. According to the data on the components
Acute dermal toxicity	:	LD50 : > 2,000 mg/kg - Rat , for males and females Unpublished internal reports THPS 75% Not classified as harmful by contact with skin According to the classification criteria for mixtures. According to the data on the components
Acute toxicity (other routes of administration)	:	no data available

Skin corrosion/irritation

Skin irritation	:	Rabbit No skin irritation Method: OECD Test Guideline 404 Unpublished internal reports THPS 75%

Serious eye damage/eye irritation

Eye irritation	:	Risk of serious damage to eyes. Method: OECD Test Guideline 405 Extremely irritating to rabbits on ocular application. Unpublished internal reports THPS 75%

Respiratory or skin sensitization

Sensitization : Magnusson and Kligman method
May cause sensitization by skin contact.
Unpublished internal reports
THPS 75%

Mutagenicity

Genotoxicity in vitro : Product is not considered to be genotoxic

Mutagenicity (Salmonella typhimurium - reverse mutation assay)
with and without metabolic activation
negative
Unpublished internal reports
THPS 75%

Mutagenicity (in vitro mammalian cytogenetic test)
Strain: CHO
with and without metabolic activation
positive
Unpublished internal reports
THPS 75%

UDS test
Strain: Hepatocyte (primary culture)
negative
Unpublished internal reports
THPS 75%

Mouse lymphoma test / TK
with and without metabolic activation
positive
Unpublished internal reports
THPS 75%

Genotoxicity in vivo : Product is not considered to be genotoxic

Rodent dominant Lethal test - Rat
negative
Unpublished internal reports
THPS 75%

In vivo micronucleus test - Mouse
negative
Unpublished internal reports
THPS 75%

Carcinogenicity

Carcinogenicity : Rat Oral exposure
Animal testing did not show any carcinogenic effects.
Published data
THPS 75%

Mouse Oral exposure
Animal testing did not show any carcinogenic effects.
Published data
THPS 75%

This product does not contain any ingredient designated as probable or suspected human carcinogens by:
NTP
IARC
OSHA
ACGIH

Toxicity for reproduction and development

Toxicity to reproduction / fertility : Fertility study 2 generations - Rat
Oral exposure
no impairment of fertility has been observed
Unpublished internal reports
THPS 75%

Developmental Toxicity/Teratogenicity : Rat
Oral exposure
NOEL teratogenicity: 30 mg/kg
NOEL maternal: 15 mg/kg

Unpublished internal reports
THPS 75%

Rabbit
Oral exposure
NOEL teratogenicity: 18 mg/kg
NOEL maternal: 18 mg/kg

Effects on development were observed
May cause harm to the unborn child.
Unpublished internal reports
THPS 75%

STOT

STOT-single exposure

Tetrakis(Hydroxymethyl) Phosphonium Sulfate : Toxicology Assessment:
The substance or mixture is not classified as specific target organ toxicant, single exposure.
internal evaluation

STOT-repeated exposure : Oral exposure 90 Days - Rat , for males and females
NOEL: 1 mg/kg
Liver toxicity
Unpublished internal reports

THPS 75%

Neurological effects

Neurological effects : Screening biochemistry test kit for cholinesterase activity inhibition, The product does not induce inhibition, THPS 75%

Experience with human exposure

Experience with human exposure : Inhalation : Not classified as irritating to respiratory system.

Carcinogenicity

Tetrakis(Hydroxymethyl) Phosphonium Sulfate : The product is not considered to be carcinogenic.

Teratogenicity

Tetrakis(Hydroxymethyl) Phosphonium Sulfate : Suspected human reproductive toxicant

Aspiration toxicity

Aspiration toxicity : no data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Compartment

Acute toxicity to fish : LC50 - 96 h : 119 mg/l - Oncorhynchus mykiss (rainbow trout)
Unpublished internal reports
THPS 75%

LC50 - 96 h : 93 mg/l - Lepomis macrochirus (Bluegill sunfish)
Unpublished internal reports
THPS 75%

Acute toxicity to daphnia and other aquatic invertebrates. : EC50 - 48 h : 15.1 mg/l - Daphnia magna (Water flea)
THPS 75%
Unpublished internal reports

: EC50 - 48 h : 0.4 mg/l - Crustacean: Acartia tonsa
THPS 75%
Unpublished internal reports

Toxicity to aquatic plants	:	EC50 - 96 h : 0.66 mg/l - Pseudokirchneriella subcapitata (microalgae) THPS 75% Unpublished internal reports
	:	EC50 - 96 h : 0.16 mg/l - Skeletonema costatum (marine diatom) THPS 75% Unpublished internal reports
	:	NOEC - 96 h : 0.059 mg/l - Skeletonema costatum (marine diatom) THPS 75% Unpublished internal reports
Toxicity to microorganisms	:	EC50 - 3 h : 24 mg/l - activated sludge THPS 75% Unpublished internal reports

Chronic toxicity to fish

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	NOEC: 0.83 mg/l - 32 Days - Pimephales promelas (fathead minnow) flow-through test Method: OECD Test Guideline 210 Harmful to fish with long lasting effects. Unpublished internal reports

Chronic toxicity to daphnia and other aquatic invertebrates.

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	NOEC: 0.0242 mg/l - 21 Days - Daphnia magna (Water flea) semi-static test Method: OECD Test Guideline 202 Toxic to aquatic invertebrates with long lasting effects. Unpublished internal reports

Sediment compartment

Toxicity to benthic organims

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	EC50: 619 Exposure duration: 5 Days Unpublished internal reports

Terrestrial Compartment

Toxicity to soil dwelling organisms

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	LC50: 960 mg/kg - 14 Days - Eisenia fetida (earthworms) Method: OECD Test Guideline 207

Toxicity to terrestrial plants

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	EC50: 102 mg/kg - 14 Days Method: OECD Test Guideline 208

Ecotoxicity assessment

Acute aquatic toxicity

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	Very toxic to aquatic life.

Chronic aquatic toxicity

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	Toxic to aquatic life with long lasting effects.

M-Factor

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	Acute aquatic toxicity = 1 (according to the Globally Harmonized System (GHS))

12.2 Persistence and degradability

Biodegradability

Biodegradability

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	Ultimate aerobic biodegradability Method: Simulation study 70 % - 21 d Readily biodegradable. US EPA FIFRA, Subdivision N, § 162-4 Unpublished internal reports anaerobic Method: Simulation study 60 % - 30 d US EPA FIFRA, Subdivision N, § 162-4 Unpublished internal reports

Stability

Stability in water

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	DT50: Half-life value: 131 Days (77 °F (25 °C)) pH: 5.0 Method: according to a standardized method Unpublished internal reports DT50: Half-life value: 72 Days (77 °F (25 °C)) pH: 7.0 Method: according to a standardized method Unpublished internal reports DT50: Half-life value: 7 Days (77 °F (25 °C)) pH: 9.0 Method: according to a standardized method Unpublished internal reports

Photodegradation

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	Sensitizer: OH Concentration sensitizer in molecule/cm3: 1,500,000 1/cm3 Rate constant in cm3 / molecule*s: 2.7E-11 cm3/s Half-life indirect photolysis: 0.4 Days Structure-activity relationship (SAR) Published data

Degradability assessment

Degradability assessment

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	The product is considered to be rapidly degradable in the environment

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

Adsorption potential (Koc)

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	Log Koc: 2.2 Moderately mobile in soils Unpublished internal reports Adsorption/Soil Koc: 153 Method: OECD Test Guideline 106 THPS 75% Mobile in soils Unpublished internal reports

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

Tetrakis(Hydroxymethyl) Phosphonium Sulfate	:	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).

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

Advice on Disposal	:	Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Waste Code	:	EPA: Hazardous Waste – NO

Advice on cleaning and disposal of packaging

Advice	:	Take preliminary precautions based on the dangerous properties of the product. Empty the packaging completely prior to disposal. Empty containers should be taken to an approved waste handling site for recycling or disposal. The user's attention is drawn to the possible existence of local regulations regarding disposal.

SECTION 14: Transport information

DOT
not regulated

TDG
not regulated

IMDG
not regulated

IATA
not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Notification status

United States TSCA Inventory	:	e (special case) This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).
Canadian Domestic Substances List (DSL)	:	YES (positive listing) All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS)	:	YES (positive listing) On the inventory, or in compliance with the inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	:	n (Negative listing) Not in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI)	:	n (Negative listing) Not in compliance with the inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	:	n (Negative listing) Not in compliance with the inventory

15.2 Federal Regulations

SARA 311/312 Hazards

Fire Hazard	no
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	yes

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
Formaldehyde	50-00-0	100 lb
Acrylic Acid	79-10-7	5000 lb

SARA 304 Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
Formaldehyde	50-00-0	100 lb

SARA 302 Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
Formaldehyde	50-00-0	100 lb

15.3 State Regulations

California Prop 65 : WARNING! This product contains a chemical known in the State of California to cause cancer.
Formaldehyde

No Significant Risk Levels (NSRLs) have been established for the following:
Formaldehyde
Value : 40 micrograms per day

SECTION 16: Other information

NFPA (National Fire Protection Association) - Classification

Health	:	2 moderate
Flammability	:	0 minimal
Instability or Reactivity	:	1 slight

HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health	:	2 moderate
Flammability	:	0 minimal
Reactivity	:	1 slight

Further information

Date Prepared	:	02/24/2015
Further information	:	Product classified under the US GHS format.

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

TWA	:	8-hour, time-weighted average
ACGIH	:	American Conference of Governmental Industrial Hygienists
OSHA	:	Occupational Safety and Health Administration
WHMIS	:	Workplace Hazardous Materials Information System
NTP	:	National Toxicology Program
IARC	:	International Agency for Research on Cancer
	:	Solvay Acceptable Exposure Limit
NIOSH	:	National Institute for Occupational Safety and Health
NFPA	:	National Fire Protection Association
HMIS	:	Hazardous Materials Identification System (Paint & Coating)

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.