

SAFETY DATA SHEET

FOR INDUSTRIAL USE ONLY

Sylvic™ R27

Section 1. Identification

Product name : Sylvic™ R27
MSDS Number : 300000003998
Chemical name : Not available
Other means of identification : Not available
Product type : Phenol Formaldehyde Resorcinol Resin
Material uses : Wood Adhesives, Composites, Laminates or Related Board Products
Manufacturer/Supplier/Importer : Hexion (N.Z.) Limited
165 Totara Street
Mt. Maunganui, Tauranga, 3116
New Zealand
Contact person : 4information@hexion.com
Telephone : General information
+64 07 547 4130
Emergency telephone number : 0800 734 607

Section 2. Hazards identification

HSNO Classification : 3.1 - FLAMMABLE LIQUIDS - Category C
6.1 - ACUTE TOXICITY:oral - Category D
6.1 - ACUTE TOXICITY:dermal - Category E
6.1 - ACUTE TOXICITY:inhalation - Category C
8.2 - CORROSIVE TO DERMAL TISSUE - Category B
8.3 - CORROSIVE TO OCULAR TISSUE - Category A
6.6 - MUTAGENICITY - Category B
6.8 - REPRODUCTIVE AND DEVELOPMENTAL TOXICITY - Category B
6.8 - REPRODUCTIVE AND DEVELOPMENTAL TOXICITY - Category B
6.9 - SPECIFIC TARGET ORGAN TOXICITY (SINGLE OR REPEATED EXPOSURE) - Category B
9.1 - AQUATIC ECOTOXICITY - Category C
9.3 - TERRESTRIAL VERTEBRATE ECOTOXICITY - Category C

This material is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and has been classified according to the Hazardous Substances (Classifications) Regulations 2001.

This material is classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

GHS label elements

Signal word : Danger

Hazard statements :

- Flammable liquid and vapor.
- Toxic if inhaled.
- Harmful if swallowed.
- May be harmful in contact with skin.
- Causes severe skin burns and eye damage.
- Suspected of causing genetic defects.
- Suspected of damaging fertility or the unborn child.
- May cause damage to organs.
- Harmful to aquatic life with long lasting effects.
- Harmful to terrestrial vertebrates.

Symbol :



Precautionary statements

Prevention :

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Wear protective gloves.
- Wear eye or face protection.
- Wear protective clothing.
- Keep away from ignition sources such as heat/sparks/open flame. - No smoking.
- Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Keep container tightly closed.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Do not breathe vapor.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.

Response :

- Immediately call a POISON CENTER or doctor/physician.
- IF SWALLOWED:**
- Rinse mouth.
- Do NOT induce vomiting.
- IF ON SKIN (or hair):**
- Remove/Take off immediately all contaminated clothing.
- Rinse skin with water [or shower].
- Wash contaminated clothing before reuse.
- IF IN EYES:**
- Rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do.
- Continue rinsing.
- IF INHALED:**
- Remove to fresh air and keep at rest in a position comfortable for breathing.
- IF exposed or concerned:
- Get medical advice/attention.

- Storage** : Store locked up.
Store in cool/well-ventilated place.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Other hazards which do not result in classification** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Chemical name** : Not available
- Other means of identification** : Not available

Hazardous ingredient name	% by weight	CAS number
Methanol	>=1 - <10	67-56-1
Phenol	>=1 - <10	108-95-2
Resorcinol	>=1 - <3	108-46-3
Sodium Hydroxide	>=1 - <2	1310-73-2
Sodium Formate	>=1 - <2	141-53-7

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Inhalation** : Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** : Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen

- tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye contact** : Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Inhalation** : Toxic if inhaled.
- Ingestion** : Harmful if swallowed.
- Skin contact** : Causes severe burns. May be harmful in contact with skin.
- Eye contact** : Causes serious eye damage.

Over-exposure signs/symptoms

- Inhalation** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
stomach pains
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Eyes** : Adverse symptoms may include the following:
pain
watering
redness

Indication of immediate medical attention and special treatment needed, if necessary

- Specific treatments** : Not available
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Protection of first aid personnel** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give

mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable	:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Not suitable	:	Do not use water jet.
Specific hazards arising from the chemical	:	Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
Special precautions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Remark	:	Not available
Hazchem code	:	HAZCHEM: *3W

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8 of SDS).
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and
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Large spill

- explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
- : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- : Put on appropriate personal protective equipment (see section 8 of SDS). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage, including any incompatibilities

- : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters**Occupational exposure limits**

Ingredient name	Exposure limits
Sodium Hydroxide	NZ OSH (1994-01-01) CEIL 2 mg/m ³
Methanol	NZ OSH (2010-09-01) TWA - TLV and PEL 262 mg/m ³ 200 ppm Notes: Absorbed through skin. STEL 328 mg/m ³ 250 ppm Notes: Absorbed through skin.
Resorcinol	NZ OSH (1994-01-01) TWA - TLV and PEL 45 mg/m ³ 10 ppm STEL 90 mg/m ³ 20 ppm

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures,

- consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Section 9. Physical and chemical properties

Appearance

Physical state	:	Liquid
Color	:	Red.
Odor	:	phenolic
Odor threshold	:	Not available
pH	:	9.5
Melting point	:	Not available
Boiling point	:	Greater than 100 °C (212 °F)
Flash point	:	56 °C (133 °F)
Burning rate	:	Not available
Burning time	:	Not available
Evaporation rate	:	Not available
Flammability (solid, gas)	:	Not available
Lower and upper explosive (flammable) limits	:	Lower: Not available Upper: Not available
Vapor pressure	:	Not available
Vapor density	:	Not available
Relative density	:	Not available
Solubility	:	Not available
Solubility in water	:	Not available
Partition coefficient: n-octanol/water	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
SADT	:	
Viscosity	:	Dynamic: 1,900 - 3,270 cPs
		Kinematic: Not available

Other information

No additional information.

Section 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- Incompatible materials** : Reactive or incompatible with the following materials:
oxidizing materials
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on likely routes of exposure

- Inhalation** : Toxic if inhaled.
- Ingestion** : Harmful if swallowed.
- Skin contact** : Causes severe burns. May be harmful in contact with skin.
- Eye contact** : Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

- Inhalation** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
stomach pains
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Resorcinol				
	LD50 Oral	Rat	301 mg/kg	-
	LD50 Oral	Rat	202 mg/kg	-

	LD50 Dermal	Rabbit	3,360 mg/kg	-
Methanol				
	LD50 Oral	Rat	5,628 mg/kg	-
Phenol				
	LD50 Oral	Rat	317 mg/kg	-
	LC50 Inhalation	Rat	0.9 mg/l	8 h
	LD50 Dermal	Rabbit	630 mg/kg	-

Conclusion/Summary : Not available

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Resorcinol	Skin - Moderate irritant	Rabbit		24 hrs	-
	Skin - Severe irritant	Rabbit			-
	eyes - Severe irritant	Rabbit			-
Phenol	Skin - -	Rat	> 4		-
	eyes - Cornea opacity	Rabbit	> 3		-

Conclusion/Summary

Skin : Not available
eyes : Not available
Respiratory : Not available

Sensitization

Conclusion/Summary

Skin : Not available
Respiratory : Not available

Potential chronic health effects

General : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Eye contact : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : Suspected of causing genetic defects.
Teratogenicity : Suspected of damaging the unborn child.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : Suspected of damaging fertility.

Chronic toxicity

Conclusion/Summary : Not available

Carcinogenicity

Conclusion/Summary : Not available

Mutagenicity

Conclusion/Summary : Not available

Teratogenicity

Conclusion/Summary : Not available

Reproductive toxicity

Conclusion/Summary : Not available

Specific target organ toxicity

Product/ingredient name	Category	Route of exposure	Target organs
Phenol	Category A	Dermal Dermal Dermal Oral Oral	cardiovascular system kidneys nervous system bone marrow blood system
Methanol	Category A	Inhalation (unknown test type) Inhalation (unknown test type) Inhalation (unknown test type)	lungs optic nerve blood system

Aspiration hazard

Not available

Numerical measures of toxicity**Acute toxicity estimates**

Route	ATE value
Oral	597.2 mg/kg
Route	ATE value
Dermal	2,430 mg/kg
Route	ATE value
Inhalation (vapors)	5.371 mg/l

Other information : Not available

Section 12. Ecological information

Ecotoxicity : This material is harmful to aquatic life with long lasting effects.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Resorcinol	Acute LC50 > 100 mg/l Fresh water	Fish - Rainbow trout,donaldson trout	96 h

	Acute LC50 40,000 µg/l Fresh water	Fish - Fathead minnow	96 h
	Acute LC50 100,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
Sodium Formate			
	Acute LC50 2,300 mg/l Fresh water	Fish - Fathead minnow	96 h
Methanol			
	Acute EC50 13,000 mg/l Fresh water	Fish - Rainbow trout,donaldson trout	4 d
Phenol			
	Acute LC50 8.9 mg/l Fresh water	Fish - Rainbow trout,donaldson trout	96 h
	Acute No-observable-effect-concentration 0.077 mg/l Fresh water	Fish - Carp	60 d
	Acute EC50 3.1 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute No-observable-effect-concentration 0.16 mg/l Fresh water	Aquatic invertebrates. Water flea	16 d
	Acute EC50 61.1 mg/l Fresh water	Aquatic plants - Microalgae	96 h
	Acute EC50 21 mg/l Fresh water	Micro-organism - Soil organisms	24 h
	Chronic No-observable-effect-concentration 2.2 mg/l Fresh water	Aquatic invertebrates. Water flea	2 d

Conclusion/Summary : Not available

Persistence/degradability

Conclusion/Summary : Not available

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Resorcinol	0.8	-	low
Methanol	-0.77	-	low
Phenol	1.5	17.5	low

Mobility in soil

Soil/water partition coefficient (KOC) : Not available

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging

should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

International transport regulations

Regulatory information	UN/NA number	Proper shipping name	Classes/Packing group
NZ Standard 5433: 1999	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.contains (Phenol, Methanol)	Class 8 (3) II
IMO/IMDG	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains (Phenol, Methanol)	Class 8 (3) II
IATA (Cargo)	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains (Phenol, Methanol)	Class 8 (3) II

Emergency Action Code : HAZCHEM: *3W

ERG Number : 18

*PG : Packing group

Section 15. Regulatory information

New Zealand Inventory (NZIoC)	:	All components are listed or exempted.
HSNO Approval Number	:	HSR002668
HSNO Group Standard	:	Surface Coatings and Colourants
HSNO Classification	:	3.1 - FLAMMABLE LIQUIDS - Category C 6.1 - ACUTE TOXICITY:oral - Category D 6.1 - ACUTE TOXICITY:dermal - Category E 6.1 - ACUTE TOXICITY:inhalation - Category C 8.2 - CORROSIVE TO DERMAL TISSUE - Category B 8.3 - CORROSIVE TO OCULAR TISSUE - Category A 6.6 - MUTAGENICITY - Category B 6.8 - REPRODUCTIVE AND DEVELOPMENTAL TOXICITY - Category B 6.8 - REPRODUCTIVE AND DEVELOPMENTAL TOXICITY - Category B 6.9 - SPECIFIC TARGET ORGAN TOXICITY (SINGLE OR REPEATED EXPOSURE) - Category B 9.1 - AQUATIC ECOTOXICITY - Category C 9.3 - TERRESTRIAL VERTEBRATE ECOTOXICITY - Category C

- Australia inventory (AICS)** : All components are listed or exempted.
Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product (including its ingredients).

International regulations

- International lists** :
- Canada inventory All components are listed or exempted.
 - Japan inventory All components are listed or exempted.
 - China inventory (IECSC) All components are listed or exempted.
 - Korea inventory All components are listed or exempted.
 - Philippines inventory (PICCS) Not determined.
 - United States inventory (TSCA 8b) All components are listed or exempted.
 - Taiwan inventory (CSNN) Not determined.
 - CEPA Toxic substances None required.
 - Canadian NPRI ;
 - Taiwan inventory (CSNN) Not determined.

Section 16. Other information

History

- Date of printing** : 21.05.2017
Date of issue/Date of revision : 14.12.2016
Date of previous issue : 23.07.2009
Version : 3.0
Key to abbreviations :
- ADG = Australian Dangerous Goods
 - ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 - ATE = Acute Toxicity Estimate
 - BCF = Bioconcentration Factor
 - GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 - IATA = International Air Transport Association
 - IBC = Intermediate Bulk Container
 - IMDG = International Maritime Dangerous Goods
 - LogPow = logarithm of the octanol/water partition coefficient
 - MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 - RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 - UN = United Nations
- References** : Not available

Notice to reader

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

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