

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 1 of 13

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **MDR-210™ - ProSeal Eco**

Product Code(s)

: F2305

Recommended use of the chemical and restrictions on use

: Spray foam.
Recommended restrictions: None known.

Chemical family

: Mixture

Name, address, and telephone number of the supplier:

Icynene Inc.

6747 Campobello Rd.
Mississauga, Ontario, Canada,
L5N 2L7

Supplier's Telephone # : (800) 758-7325

24 Hr. Emergency Tel # : (613) 996-6666

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Brown liquid. Amine odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Acute toxicity, oral - Category 4

Skin Corrosion/Irritation - Category 1

Eye Damage/Irritation - Category 1

Specific target organ toxicity, single exposure - Category 2 (kidney)

Label elements

Hazard pictogram(s)



Signal Word

Danger

Hazard statement(s)

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause damage to organs.

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 2 of 13

SAFETY DATA SHEET

Precautionary statement(s)

Do not breathe mist or vapor.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/clothing and eye/face protection.

Get medical advice/attention if you feel unwell.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Call a poison center/doctor if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.

Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification: Ingestion may cause severe irritation to the mouth, throat and stomach.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Tris(2-chloroisopropyl) phosphate	Phosphoric trichloride, reaction products with propylene oxide 2,2,4-Trimethyl-1,3-pentanediol mono(2-methylpropanoate)	1244733-77-4	30.0 - 35.0
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	Not available.	940912-28-7	20.0 - 25.0
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethylpropane-1,3-diamine	33329-35-0	1.0 - 3.0
Diethylene glycol	Bis(2-hydroxyethyl) ether Dihydroxydiethyl ether	111-46-6	1.0 - 3.0
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	Pentamethyldiethylenetriamine PMDT	3030-47-5	1.0 - 3.0
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamethyl-	N,N,N',N',N'',N''-hexamethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-tripropanamine	15875-13-5	1.0 - 3.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 3 of 13

SAFETY DATA SHEET

- Ingestion* : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist.
- Inhalation* : If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.
- Eye contact* : For eye contact, flush with running water for at least 15 minutes. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- : Harmful if swallowed. Causes severe skin irritation. Contact may cause redness, swelling and a painful sensation. Can cause irritation, redness, tearing, and blurred vision and/or eye damage. May cause damage to the kidneys if swallowed. Ingestion may cause severe irritation to the mouth, throat and stomach.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Carbon dioxide (CO₂); Dry chemical; Alcohol resistant foam; Water fog .

Unsuitable extinguishing media

- : Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Burning produces obnoxious and toxic fumes.

Flammability classification (OSHA 29 CFR 1910.106)

- : Non-flammable.

Hazardous combustion products

- : Carbon dioxide and carbon monoxide.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

- Environmental precautions** : Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 4 of 13

SAFETY DATA SHEET

Special spill response procedures

- : Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements. EPA/CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

- Conditions for safe storage** : Store in cool/well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking.

- Incompatible materials** : Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>					
	<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
		<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Tris(2-chloroisopropyl) phosphate	N/Av	N/Av	N/Av	N/Av	
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	N/Av	N/Av	N/Av	N/Av	
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	N/Av	N/Av	N/Av	N/Av	
Diethylene glycol	10 mg/m ³ (AIHA WEEL)	N/Av	N/Av	N/Av	
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N,N'-trimethyl-	N/Av	N/Av	N/Av	N/Av	
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamthyl-	N/Av	N/Av	N/Av	N/Av	

Exposure controls

Ventilation and engineering measures

- : Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Skin protection

- : Wear protective gloves/clothing. Advice should be sought from glove suppliers.

Eye / face protection

- : Wear eye/face protection. Tightly fitting safety goggles

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 5 of 13

SAFETY DATA SHEET

Other protective equipment : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Brown liquid.
Odour : Amine odour.
Odour threshold : No information available.
pH : 10.5
Melting/Freezing point : No information available.
Initial boiling point and boiling range
: N/Av
Flash point : Not flammable
Flashpoint (Method) : N/Av
Evaporation rate (BuAe = 1) : N/Av
Flammability (solid, gas) : Not applicable.
Lower flammable limit (% by vol.)
: Not applicable.
Upper flammable limit (% by vol.)
: Not applicable.
Oxidizing properties : None known.
Explosive properties : Not explosive
Vapour pressure : N/Av
Vapour density : N/Av
Relative density / Specific gravity
: 1.18
Solubility in water : Soluble
Other solubility(ies) : No information available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: No information available.
Auto-ignition temperature : No information available.
Decomposition temperature : No information available.
Viscosity : 390 Cps @ 25°C
Volatiles (% by weight) : N/Av
Volatile organic Compounds (VOC's)
: N/Av
Absolute pressure of container
: Not applicable.
Flame projection length : Not applicable.
Other physical/chemical comments
: No additional information.

SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.
Chemical stability : Stable under normal conditions.

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 6 of 13

SAFETY DATA SHEET

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid

: Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials

: See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products

: See Section 5 (Fire Fighting Measures).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: May cause respiratory irritation.

Sign and symptoms ingestion

: Harmful if swallowed. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

Sign and symptoms skin

: Causes severe skin irritation. Symptoms may include blistering, ulcerations and scarring.

Sign and symptoms eyes

: Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects

: Chronic skin contact with low concentrations may cause dermatitis.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Specific target organ toxicity, single exposure - Category 2 - May cause damage to organs.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials

: No information available.

Toxicological data

: There is no data available for this product. The calculated ATE values for this mixture are: ATE oral = 1491.78 mg/kg

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 7 of 13

SAFETY DATA SHEET

Chemical name	LC₅₀(4hr) inh, rat	LD₅₀	
		(Oral, rat)	(Rabbit, dermal)
Tris(2-chloroisopropyl) phosphate	> 4.6 mg/L (aerosol) (No mortality) (Read-across)	632 - 2000 mg/kg (Read-across)	> 2000 mg/kg (No mortality) (Read-across)
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	N/Av	1380mg/kg	12800mg/kg
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	1.8 mg/L (aerosol)	2385 mg/kg	1120 mg/kg
Diethylene glycol	> 4.6 mg/L (aerosol) (No mortality)	19 600 mg/kg (rat) The estimated human lethal dose is: 500 - 5000 mg/kg	12 500 mg/kg
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	6.15 mg/L	1630 µL/kg	280 µL/kg
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamthyl-	N/Av	2519 mg/kg	1566 mg/kg

Other important toxicological hazards

: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Not expected to be harmful to aquatic organisms. Do not release, unmonitored, into the environment.

Ecotoxicity data:

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Tris(2-chloroisopropyl) phosphate	1244733-77-4	51 mg/L (Fathead minnow) (Read-across)	5.2 mg/L (QSAR) (Read-across)	None.
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	940912-28-7	N/Av	N/Av	None.
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	33329-35-0	92.5 mg/L (Zebra fish) (Read-across)	N/Av	None.
Diethylene glycol	111-46-6	77 900 mg/L (Fathead minnow)	7694 mg/L (30 days) (QSAR)	None.
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	3030-47-5	220 mg/L (Golden orfe)	N/Av	None.
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamthyl-	15875-13-5	> 100 mg/L (Guppy)	N/Av	None.

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 8 of 13

SAFETY DATA SHEET

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Tris(2-chloroisopropyl) phosphate	1244733-77-4	131 mg/L (Daphnia magna) (Read-across)	32 mg/L (Read-across)	None.
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	940912-28-7	N/Av	N/Av	None.
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	33329-35-0	48 mg/L (Daphnia magna)	N/Av	None.
Diethylene glycol	111-46-6	> 100 mg/L (Daphnia magna)	7500 - 15 000 mg/L (Read-across)	None.
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	3030-47-5	41.7-68 mg/L (Daphnia magna)	N/Av	None.
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamthyl-	15875-13-5	62.6 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Tris(2-chloroisopropyl) phosphate	1244733-77-4	82 mg/L/72hr (Green algae) (Read-across)	13 mg/L/72hr (Read-across)	None.
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	940912-28-7	N/Av	N/Av	None.
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	33329-35-0	74.9 mg/L/72hr (Green algae)	N/Av	None.
Diethylene glycol	111-46-6	9362 mg/L/96hr (Green algae) (QSAR)	> 100 mg/L/72hr (Read-across)	None.
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	3030-47-5	78.3 mg/L (Green algae)	42 mg/L (Green algae)	None.
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamthyl-	15875-13-5	64.3 - 67.3 mg/L/72hr (Green algae)	N/Av	None.

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

: No data is available on the product itself.

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 9 of 13

SAFETY DATA SHEET

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Tris(2-chloroisopropyl) phosphate (CAS 1244733-77-4)	2.59	1.9-4.6
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol (CAS 940912-28-7)	N/Av	N/Av
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl- (CAS 33329-35-0)	0 - 0.05	0.3-2
Diethylene glycol (CAS 111-46-6)	- 1.47 (estimated)	3 (estimated)
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N,N'-trimethyl- (CAS 3030-47-5)	<-2.1	3.162
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamethyl- (CAS 15875-13-5)	0.18 - 0.26	N/Av

Mobility in soil : The product itself has not been tested.

Other Adverse Environmental effects

: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 10 of 13

SAFETY DATA SHEET

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

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

: This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Tris(2-chloroisopropyl) phosphate	1244733-77-4	Yes	None.	None.	No	N/Ap
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	940912-28-7	Yes	N/Ap	N/Ap	No	N/Ap
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	33329-35-0	Yes	N/Ap	N/Av	No	N/Ap
Diethylene glycol	111-46-6	NL	N/Ap	N/Av	No	NS
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	3030-47-5	Yes	N/Ap	N/Av	No	NS
1,3,5-Triazine-1,3,5-(2H,4H,6H)-tripropanamine-N,N,N',N',N",N"-hexamethyl-	15875-13-5	Yes	N/Ap	N/Av	No	NS

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 11 of 13

SAFETY DATA SHEET

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Tris(2-chloroisopropyl) phosphate	1244733-77-4	No	N/Ap	No	No	No	No	No	No
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl) amino]methyl]-4-branched nonylphenol	940912-28-7	No	N/Ap	No	No	No	No	No	No
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	33329-35-0	No	N/Ap	No	No	No	No	No	No
Diethylene glycol	111-46-6	No	N/Ap	No	No	Yes	No	Yes	Yes
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N',N'-trimethyl-	3030-47-5	No	N/Ap	No	No	No	No	No	No
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N'',N''-hexamthyl-	15875-13-5	No	N/Ap	No	No	No	No	No	No

Canadian Information:

Canadian Environmental Protection Act (CEPA): All ingredients listed appear on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 12 of 13

SAFETY DATA SHEET

Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Tris(2-chloroisopropyl) phosphate	1244733-77-4	911-815-4	Present	Present	(2)-3729, (2)-2951	KE-05878	Present	HSR004044
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol	940912-28-7		Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	33329-35-0	251-459-0	Present	Present	(2)-3225	KE-34804	Present	No data available.
Diethylene glycol	111-46-6	203-872-2	Present	Present	(2)-415; (2)-2979	KE-27694	Present	HSR002709
1,2-Ethanediamine, N-[2-(dimethylamino)ethyl]-N,N,N'-trimethyl-	3030-47-5	221-201-1	Present	Present	(2)-147	KE-11153	Present	HSR003583
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropanamine-N,N,N',N',N",N"-hexamthyl-	15875-13-5	240-004-1	Present	Present	(5)-1010	97-3-157	Present	No data available.

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- ATE: Acute Toxicity Estimate
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- ECHA: European Chemicals Agency
- ECOTOX: U.S. EPA Ecotoxicology Database
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IBC: Intermediate Bulk Container
- IECSC: Inventory of Existing Chemical Substances
- IMDG: International Maritime Dangerous Goods
- IOC: Inventory of Chemicals
- IUCLID: International Uniform Chemical Information Database
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- MA: Massachusetts
- MN: Minnesota
- N/Ap: Not Applicable
- N/Av: Not Available
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NOEC: No observable effect concentration
- NTP: National Toxicology Program

MDR-210™ - ProSeal Eco

SDS Preparation Date (mm/dd/yyyy): 09/28/2016

Page 13 of 13

SAFETY DATA SHEET

OECD: Organisation for Economic Co-operation and Development
 OSHA: Occupational Safety and Health Administration
 PA: Pennsylvania
 PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 SDS: Safety Data Sheet / Material Safety Data Sheet
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TSCA: Toxic Substance Control Act
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
- 2. International Agency for Research on Cancer Monographs, searched 2016
- 3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2016(Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2016 version.
- 6. California Proposition 65 List - 2016 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2016.

Preparation Date (mm/dd/yyyy)

: 09/28/2016

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p><u>Prepared for:</u> Icynene Inc. 6747 Campobello Road Mississauga ON L5N 2L7 Telephone: 800-758-7325</p>	
<p><u>Prepared by:</u> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Icynene Inc. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Icynene Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this Safety Data Sheet does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Icynene Inc.

END OF DOCUMENT