

**PRODUCT: TRIPLE C #591**

**SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MANUFACTURER:** T. DONOVAN & SON (1997) LTD.  
700 WILSON STREET  
SAINT JOHN, NEW BRUNSWICK  
CANADA E2M 3V2  
TOLL FREE: 1-888-799-2645 / LOCAL (506) 642-1500

**PRODUCT NAME:** Triple C #591

**CHEMICAL FAMILY:** Polymeric Quaternary Ammonium Compound

**MATERIAL USE:** Non-Foaming Algaecide.

**EMERGENCY PHONE NUMBER:** (613)-996-6666

**SECTION 02: HAZARDS IDENTIFICATION**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR (Code of Federal Regulations) 1910.1200).



**SIGNAL WORD:** WARNING.

**HAZARD CLASSIFICATION:** Acute Toxicity (Oral) - Category 4.  
Acute Toxicity (Inhalation) - Category 4.  
Serious Eye Damage/ Eye Irritation - Category 2A.

**HAZARD STATEMENT:** **H302:** Harmful if swallowed.  
**H332:** Harmful if inhaled.  
**H319:** Causes serious eye irritation.

**PRECAUTIONARY STATEMENT:** **P103:** Read label before use.  
**P102:** Keep out of reach of children.  
**P101:** If medical advice is needed, have product container or label at hand.  
**P280:** Wear protective gloves/protective clothing/eye protection/face protection.  
**P271:** Use only outdoors or in a well-ventilated area.  
**P261:** Avoid breathing mist/vapours/spray.  
**P270:** Do not eat, drink or smoke when using this product.  
**P264:** Wash hands thoroughly after handling.  
**P304 + P340:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**P312:** Call a POISON CENTER or doctor/physician if you feel unwell.  
**P301 + P312:** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
**P330:** Rinse mouth.  
**P305 + P351 + P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337 + P313:** If eye irritation persists: Get medical attention.  
**P501:** Dispose of contents/container in accordance with all local, regional, national and international regulations.

**OTHER HAZARDS:** Ingestion: There is limited information available to determine whether this material causes harm from swallowing.  
Cancer Statement: This product (or any component at a concentration of 0.1% or greater) is not listed by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), Occupational Safety and Health Administration (OSHA) or Environmental Protection Agency (EPA) as a carcinogen.

PRODUCT: TRIPLE C #591

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT(S)	CAS #	WT. %
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	31512-74-0	15 - 20

Definitions:

CAS - Chemical Abstract Service registry number.

WT. % - Percent Weight.

**SECTION 04: FIRST AID MEASURES**

<b>GENERAL ADVICE:</b>	For further treatment advice, call a poison control center or doctor.
<b>IN CASE OF EYE CONTACT:</b>	Flush immediately with copious amounts of tap water or normal saline (minimum of 15 minutes). Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Take exposed individual to a health care professional preferably an ophthalmologist for further evaluation.
<b>IF INHALED:</b>	If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, and dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.
<b>IN CASE OF SKIN CONTACT:</b>	Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional.
<b>IF SWALLOWED:</b>	DO NOT INDUCE VOMITING. Rinse mouth with copious amounts of water first. Give 1 to 2 glasses of water or milk slowly. Never give fluids by mouth to individuals who are unconscious. Seek medical attention.
<b>NOTES TO PHYSICIAN:</b>	See Toxicological Information (Section 11).

**SECTION 05: FIRE FIGHTING MEASURES**

<b>FLAMMABILITY:</b>	No Data Available.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Use extinguishing agent suitable for type of surrounding fire.
<b>HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:</b>	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, and halogenated compounds.
<b>SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:</b>	In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
<b>FIRE FIGHTING PROCEDURES:</b>	Special protective procedures 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. 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.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

<b>GENERAL PRECAUTIONS:</b>	Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent material.
<b>FOR NON-EMERGENCY PERSONNEL:</b>	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>FOR EMERGENCY RESPONDERS:</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

PRODUCT: TRIPLE C #591

**SECTION 06: ACCIDENTAL RELEASE MEASURES****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 MATERIALS FOR CONTAINMENT AND CLEAN 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. Dispose of material in accordance with all Federal, Provincial and local regulations via a licensed waste disposal contractor.

**Large Spill:** 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). Dispose of material in accordance with all Federal, Provincial and local regulations via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**SECTION 07: HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING:**

Keep container closed. Both open and handle containers with care. Store in a cool, well ventilated area from incompatible materials. Do not pressurize, cut, heat or weld containers.

**PROTECTIVE MEASURES:**

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**ADVICE ON GENERAL OCCUPATIONAL HYGIENE:**

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. See also Section 8 for additional information on hygiene measures.

**CONDITIONS FOR SAFE STORAGE:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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.

**SATISFACTORY MATERIALS OF CONSTRUCTION:**

Buna-N rubber, Butyl rubber, Polypropylene, Plexiglas, Teflon, polyvinyl chloride (PVC) - rigid, Viton, EPDM (Ethylene Propylene Diene Monomer) rubber, PVC - flexible, Fiberglass, Neoprene, Polyethylene - low density, Tygon, Tyril 880, Gum rubber, Silicone rubber, Hypalon, Polyethylene - high density, Stainless steels 304 and 316, ABS (Acrylonitrile butadiene styrene) (Plastic), Morton test liner (108 T 44LV), 6/6 Nylon, and FRP lined mild steel.

**NOTE:** With respect to all other materials not listed above, user should be aware that use of such materials with this product may be hazardous and result in damages to such materials and other property and personal injuries. No data concerning such materials not listed above should be implied by the user.

**PRODUCT: TRIPLE C #591**

**SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENT(S)	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	TWA	STEL	
Poly[oxyethylene(dimethyliminio)ethylene (dimethyliminio)ethylene dichloride]	-	None	-	None	None

**Definitions:**

ACGIH - American Conference of Governmental Industrial Hygienists.  
 NIOSH - National Institute for Occupational Safety and Health.  
 OSHA - Occupational Safety and Health Administration.  
 PEL - Permissible Exposure Limit.

RELs - Recommended Exposure Limits.  
 STEL - Short-term Exposure Limit.  
 TLV - Threshold Limit Value.  
 TWA - Time Weighted Average.

<b>EXPOSURE LIMIT OF MATERIAL:</b>	No workplace exposure limits have been established for this product.
<b>ENGINEERING CONTROLS:</b>	Ventilation should be provided to control worker exposures and prevent health risk; and as necessary to reduce, prevent and control aerosol generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>ENVIRONMENTAL EXPOSURE CONTROLS:</b>	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.
<b>HYGIENE MEASURES:</b>	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.
<b>EYE/FACE PROTECTION:</b>	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.
<b>SKIN AND BODY PROTECTION:</b>	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.  Body 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.  Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>RESPIRATORY PROTECTION:</b>	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.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b>	Clear, light yellow to brown liquid.
<b>ODOUR:</b>	Mild Odour.
<b>ODOUR THRESHOLD:</b>	No Data Available.
<b>pH:</b>	6.8 - 8.0.
<b>MELTING POINT/FREEZING POINT:</b>	< 0°C / 32°F.

PRODUCT: TRIPLE C #591

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT:</b>	>100°C / 212°F
<b>FLASH POINT, METHOD:</b>	Closed cup: >100°C (>212°F).
<b>EVAPORATION RATE:</b>	No Data Available.
<b>FLAMMABILITY (SOLIDS AND GASES):</b>	No Data Available.
<b>UPPER FLAMMABLE LIMIT (% BY VOL):</b>	No Data Available.
<b>LOWER FLAMMABLE LIMIT (% BY VOL):</b>	No Data Available.
<b>VAPOUR PRESSURE:</b>	No Data Available.
<b>VAPOUR DENSITY (AIR=1):</b>	9.4 - 9.8.
<b>PERCENT VOLATILE:</b>	40.
<b>SPECIFIC GRAVITY (WATER=1):</b>	1.04.
<b>SOLUBILITY IN WATER (% W/W):</b>	Soluble.
<b>AUTO IGNITION TEMPERATURE:</b>	No Data Available.
<b>PARTITION COEFFICIENT N-OCTANOL/WATER:</b>	No Data Available.
<b>DECOMPOSITION TEMPERATURE:</b>	No Data Available.
<b>VISCOSITY:</b>	Dynamic (room temperature): 125 mPa•s (125 cP).

**SECTION 10: STABILITY AND REACTIVITY**

<b>REACTIVITY:</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>CHEMICAL STABILITY:</b>	The product is stable.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>CONDITIONS TO AVOID:</b>	Excessive Heat.
<b>INCOMPATIBLE MATERIALS:</b>	No Specific Data.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>HAZARDOUS POLYMERIZATION:</b>	Hazardous Polymerization does not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Toxicity studies have been completed on the active ingredients. The results are shown below:

**Information on Toxicological Effects Acute Toxicity:**

INGREDIENT(S)	TEST	SPECIES	DOSE	EXPOSURE
Poly[oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride]	LD50 Oral	Rat	1850 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	2.9 mg/L	4 hours
	LD50 Dermal	<i>Leporidae sp.</i> (Rabbit)	>2000 mg/kg	-

**Irritation/Corrosion:**

INGREDIENT(S)	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Poly[oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride]	Eyes - Moderate irritant	Rabbit	-	-	-
	Skin - Mild irritant				

**Sensitization:**

INGREDIENT(S)	ROUTE OF EXPOSURE	SPECIES	RESULT
Poly[oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride]	skin	<i>Cavia porcellus</i> (Guinea pig)	Not Sensitizing
	skin	Human	Not Sensitizing

**ACUTE TOXICITY**

<b>ORAL LD50:</b>	See Above.
<b>INHALATION LC50:</b>	See Above.
<b>DERMAL LD50:</b>	See Above.
<b>SKIN CORROSION / IRRITATION:</b>	Primary Skin Irritation (Albino Rabbits): >2,000 mg/kg.

**PRODUCT: TRIPLE C #591**

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Primary Eye Irritation (Albino Rabbits): No Data Available.
<b>RESPIRATORY OR SKIN SENSITIZATION:</b>	See table above.
<b>GERM CELL MUTAGENICITY:</b>	No known significant effects or critical hazards.
<b>CARCINOGENICITY:</b>	Cancer Statement: This product (or any component at a concentration of 0.1% or greater) is not listed by the NTP, IARC, OSHA or EPA as a carcinogen.  A two year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	No known significant effects or critical hazards.
<b>SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:</b>	No Data Available.
<b>STOT - REPEAT EXPOSURE:</b>	No Data Available.
<b>LIKELY ROUTES OF EXPOSURE:</b>	Routes of entry anticipated: Oral, Dermal. Routes of entry not anticipated: Inhalation.
<b>ASPIRATION HAZARD:</b>	No Data Available.
<b>POTENTIAL HEALTH EFFECTS:</b>	Eye contact: Causes serious eye irritation. Inhalation: Harmful if inhaled. Skin Contact: No known significant effects or critical hazards. Ingestion: Harmful if swallowed.
<b>SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:</b>	Eye Contact: Adverse symptoms may include the following: pain or irritation, watering, and redness. Inhalation/Skin Contact/Ingestion: No Specific Data.
<b>DELAYED AND IMMEDIATE EFFECTS FROM SHORT AND LONG TERM EXPOSURE:</b>	No Data Available.

**Chronic Effects from Short and Long Term Exposure:**

INGREDIENT(S)	RESULT	SPECIES	DOSE	EXPOSURE
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	Sub-chronic NOEL Oral	Rat	3000 mg/kg	90 days
	Sub-acute NOEL Dermal	Rabbit	>1000 mg/kg	90 days

Note:  
NOEL - No Observed Effect Level (NOEL).

**SECTION 12: ECOLOGICAL INFORMATION**

<b>TOXICITY:</b>	<p>Avian Data:</p> <p>Acute oral LD50, <i>Coturnix sp.</i> (Quail): 354 mg/kg. Subacute Dietary LC50 (Quail &amp; <i>Anas sp.</i> (Duck)) &gt;5,620 ppm.</p> <p>Aquatic Data:</p> <p>96 Hour LC50, fish, 0.047 mg/L <i>Oncorhynchus mykiss</i> (Rainbow Trout). &gt;600 mg/L: <i>Cyprinodon variegatus</i> (Sheepshead Minnow). 0.21 mg/L: <i>Lepomis macrochirus</i> (Bluegill). 13.0 mg/L: <i>Mysida</i> (Mysid Shrimp). 48 Hour EC50 Invertebrate (<i>Daphnia magna</i>), acute toxicity, 0.37 mg/L.</p>
------------------	---

**PRODUCT: TRIPLE C #591**

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>DISPOSAL METHODS:</b>	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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>PACKAGING:</b>	Empty Container: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Empty containers should be rinsed thoroughly and discarded to trash or offered for recycling where permitted by local, Provincial and Federal regulations. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**SECTION 14: TRANSPORT INFORMATION**

<b>Transportation of Dangerous Goods (TDG):</b>	Not Regulated.
<b>United States (US) Department of Transportation (DOT):</b>	Not Regulated.
<b>International Maritime Dangerous Goods (IMDG):</b>	3082
<b>International Air Transport Association (IATA):</b>	3082
<b>TRANSPORT HAZARD CLASS (IMDG and IATA):</b>	9
<b>PACKING GROUP (IMDG and IATA):</b>	III
<b>PROPER SHIPPING NAME (IMDG and IATA):</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Poly [oxyethylene(dimethyliminio) ethylene(dimethyliminio) ethylene dichloride]).
<b>ENVIRONMENTAL HAZARDS:</b>	Yes.
<b>REGULATION SPECIFIC INFORMATION:</b>	
<b>In Accordance with IMDG:</b>	<ul style="list-style-type: none"> <li>• Marine Pollutant, however, the marine pollutant mark is not required when transported in sizes of 55 L or 55 kg.</li> <li>• Emergency Schedules: (EmS): F-A, S-F</li> <li>• Remarks: ERG Guide 171, HazMat Code 4960131.</li> </ul>
<b>In Accordance with IATA:</b>	<ul style="list-style-type: none"> <li>• The environmentally hazardous substance mark is not required when transported in sizes of 55 L or 55 kg.</li> <li>• Remarks: ERG Guide 171, ERG Code 9L.</li> </ul>
<b>SPECIAL PRECAUTIONS FOR USER:</b>	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**SECTION 15: REGULATORY INFORMATION**

<b>WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION:</b>	Not Applicable. This Product Is Regulated By The <i>Pest Controls Product Act</i> , Agriculture Canada.
<b>PEST CONTROL PRODUCTS ACT:</b>	Registration Number 25905
<b>HAZARDOUS PRODUCT REGULATIONS (HPR) COMPLIANCE:</b>	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**PRODUCT: TRIPLE C #591**

**SECTION 15: REGULATORY INFORMATION**

**UNITED STATES (US) FEDERAL REGULATIONS:**

*Superfund Amendments and Reauthorization Act (SARA):*

SARA 311/312 Hazard Categories: Acute Health.

Fire: No.

Pressure Generating: No.

Reactivity: No.

Immediate Acute Health Hazard: Yes.

Delayed Chronic Health Hazard: No.

*Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):*

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of CERCLA. In the event of a spill, contact local authorities to determine other local reporting requirements.

*US Toxic Substances Control Act (TSCA):*

All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**SECTION 16: OTHER INFORMATION**

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) Hazard ID:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*-Chronic health effect



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**PREPARED BY:**

T. Donovan & Son (1997) Ltd.

**PREPARATION DATE:**

May 2018

**DISCLAIMER:**

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. Regulatory requirements are subject to change and may differ between various locations. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.