Safety Data Sheet

Issue Date: 03-April-2020 **Revision Date:** 03-April-2020 **Version** 1.0

1. IDENTIFICATION

Product Identifier

Product Name: Dutrion Tablet End Use

Other means of identification

SDS #: Dutrion-001

Recommended use of the chemical

Recommended Use: Hard Surface Disinfectant, Swimming Pool & Spa, Odor/Mildew/ Mold, Fungus, Algae, Municipal Water/Wastewater Treatment, Industrial Process Water, Disinfect Food and Industrial Processing Equipment & Facilities, Disinfect Farm and Agricultural Equipment & Facilities

Details of the supplier of the safety data sheet

Supplier Address
Dutrion North America Ltd
Box 175, Ferintosh, AB
T0B 1M0 Canada
info@dutrion.net

Emergency Telephone Number

Company Phone Number: 1-780-361-2114

Emergency Telephone (24 hr): ChemTel: USA and Canada 1-888-255-3924 Outside the USA: (+01)-813-248-585

2. HAZARDS IDENTIFICATION

Emergency Overview Dutrion Tablet is a 1 gram (0.035 oz) or 20 gram (0.71 oz) tablet comprised of 20% Sodium Chlorite Technical 80 PCT as the known active with the remaining inert ingredients acting as desiccants, effervescent agents, stabilizers, binders, and pelleting auxiliary agents as necessary. In its end use form, Dutrion Tablet is diluted to 1-1,000 ppm and therefore is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Appearance Tablet dissolved into water Physical state Liquid Odor Slight chlorine

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Dutrion Tablet	Proprietary	1-1,000 ppm

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice: The following first aid information applies to an exposure of Dutrion Tablet before dilution. Adverse reaction to the end use product is not expected. When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	Prior to dilution, Dutrion Tablet is corrosive to the skin, eyes, and respiratory tract. Adverse reaction to the end use product is not expected.
Notes to Physician	Probable mucosal damage may contraindicate the use of gastric lavage if undiluted Dutrion Tablet is accidentally ingested.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical

None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Dutrion Tablet End Use dilutions do not require personal protective equipment, however wet floors due to spilled product may be slippery. Exercise caution during clean-up to avoid falls.
For Emergency Responders	Follow all fire fighting procedures in Section 5.

Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Add slowly all contents in the foil package to the amount of water in the container; Do not inhale above open foils and do not inhale above open container. Close container quick and tightly. Do not stir or mix the water or shake the container Wait according to timetable instructions: After reaction time; shake small containers gently, or stir/mix larger containers slowly Always be aware of CLO2 fumes during this mixing. Stock solution with liquid chlorine dioxide is now ready for dosing.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Dutrion Tablets should be stored in tightly sealed original container in a cool, dark, well-ventilated room.
Incompatible Materials	None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines — Dutrion Tablet End Use dilutions are not known to contain any materials with established occupational exposure limits.

Appropriate engineering controls

Engineering Controls	None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	None under normal use conditions.
Skin and Body Protection	None under normal use conditions.
Respiratory Protection	None under normal use conditions.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Tablet dissolved into water	Odor	Slight chlorine
Color	Clear	Odor Threshold	Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling Point / Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper/Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children.

Incompatible Materials
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Dutrion Tablet End Use dilutions do not present an acute toxicity hazard based on known or supplied information
Eye Contact	Not expected to be an eye irritant during prescribed use.
Skin Contact	Not expected to be a skin irritant during prescribed use.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	Not expected to present a hazard by ingestion during prescribed use.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dutrion Tablet	> 90 mL/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.

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

Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity
Not applicable due to form of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note	Dutrion Tablet End Use dilutions are not intended to be transported.
DOT	Not applicable
IATA	Not applicable
IMDG	Not applicable

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dutrion Tablet	X	X	X	X	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).
SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
US State Regulations
California Proposition 65: This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations: This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	0	0	0	None
HMIS	Health Hazards	Flammability	Physical hazards	Personal Protection
	0	0	0	See Section 8

Issue Date:	03-April-2020
Revision Date:	03-April-2020
Revision Note:	End use safety information

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. The information given is designed only as a 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.

End of Safety Data Sheet