



# Safety Data Sheet

Issue Date: 03-April-2020

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Version 1.0

Dutrition – V1.0 - Dutrition Tablet End Use

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## 1. IDENTIFICATION

<u>Product Identifier</u>	
Product Name	Dutrition (End Use Solution)
<u>Other means of identification</u>	
SDS #	Dutrition-001
<u>Recommended use of the chemical</u>	
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

<u>Supplier Address</u>	
Dutrition North America Ltd Box 175, Ferintosh, AB T0B 1M0 Canada info@nutrition.net	
<u>Emergency Telephone Number</u>	
Company Phone Number	1-780-361-2114
Emergency Telephone (24 hr)	Infotrac: (US & Canada) 1-800-535-5053 International: 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

<u>Emergency Overview</u> Dutrition Tablet is a 1 gram (0.035 oz) or 20 gram (0.71 oz) chlorine dioxide producing tablet. In its end use form, Dutrition Tablet is diluted to 1-1,000 ppm (0.0001% - 0.1%) 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-%
Dutrition Tablet	Proprietary	1-1,000 ppm (0.0001% - 0.1%)

\*\*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

<u>First Aid Measures</u>	
General Advice	The following first aid information applies to an exposure of Dutrition 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, Dutrition 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 Dutrition Tablet is accidentally ingested.

## 5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
<u>Unsuitable Extinguishing Media</u> None known.	
<u>Specific Hazards Arising from the Chemical</u>	
None known.	
<u>Protective equipment and precautions for firefighters</u>	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	

## 6. ACCIDENTAL RELEASE MEASURES

<u>Personal precautions, protective equipment and emergency procedures</u>	
Personal Precautions	Dutrition 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.
<u>Environmental precautions</u>	
Environmental precautions	See Section 12 for additional Ecological Information.
<u>Methods and material for containment and cleaning up</u>	
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

<u>Precautions for safe handling</u>	
<u>Advice on Safe Handling</u>	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 Dutrin 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 Dutrin 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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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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 Dutrin 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
Dutrin 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**

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

**15. REGULATORY INFORMATION**

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINC	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/ELINC - 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**

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