SAFETY DATA SHEET

Revision date: 1/24/2022 Supersedes: Not applicable Version: 1

1. Identification

Product Identifier

Product name: **Noflex Digestor**

Intended use of the product

Use of the substance/mixture: Sewage Treatment and Deodorizer – consumer product

Treatment, cleaning agents, oxidizing agents

Details of the supplier of the safety data sheet

Gemini Packaging Ltd., 150-12071 Jacobson Way, Richmond, BC, Canada V6W 1L5

1-604-278-3455

Emergency telephone number 613-996-6666 (Canutec 24 hours)

2. Hazard Identification

Classification

HCS 2012 (29 CFR 1910.1200)

Class	Category	Hazard statements
Ox. solids	3	H272: May intensify fire; oxidizer
Acute Tox.	4	H302: Harmful is swallowed
Eye Dam.	1	H318: Causes serious eye damage

GHS label elements including precautionary statements

Emergency Overview

Pictogram

Signal word Danger

Hazard statements

Hazard Statements

- H272 May intensify fire; oxidizer
- H302 Harmful if swallowed
- H318 Causes serious eye damage

Appearance	White	Physical State	Granule	Odor	Odorless

Precautionary statements – Prevention

Wash hands and any exposed skin thoroughly after handling.

Wear eye protection/face protection such as safety glasses.

Precautionary statements – Response

Eyes

IF IN EYES: rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Get medical advice/attention.

Skin

If skin irritation occurs, get medical advice/attention.

Precautionary statement – Storage

None.

Precautionary statement – Disposal

None.

Hazards not otherwise classified (HNOC)

The following medical conditions may be aggravated by exposure to high concentrations of vapor or mist: heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.

Unknown toxicity

None known.

Other information

None known.

Interaction with other chemicals

Reacts with other household chemicals such as chlorine bleach, drain opener and oven cleaner products.

3. Composition/Information on ingredients

Chemical Name	CAS No.	Wt %	GHS-US classification
Disodium carbonate, compound with hydrogen peroxide	15630-89-4	>= 80	H272 H302 H318
Carbonic acid sodium salt	497-19-8	<=10	H315 H319
Sodium silicate	1344-09-8	<=1.5	H315 H318
Styrene/MA copolymer, sulfonated	68037-40-1	<=1	None

4. First Aid Measures

First Aid Measures

General Advice	Show this safety data sheet to the doctor in attendance.
Inhalation	If symptoms of exposure develop, remove to fresh air. Seek medical attention if symptoms persist.
Skin Contac	Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If irritation or redness persists, seek medical attention.
Eye Contact	Expose eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. Do not rub affected area. If irritation, pain, swelling or tearing persistent, seek medical attention.
Ingestion	If swallowed, get medical attention by call in Poison Control Center or hospital immediately. Have person sip a glassful of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor.
Protection of first-aiders	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most important Symptoms & Effects: Stinging and irritation of eyes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

5. Firefighting Measures

Suitable Extinguishing Media:

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

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Upon combustion produces: Oxygen.

Explosive Data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

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 Procedure

Personal Precautions	Prevent dust cloud formation. Remove all sources of ignition and naked flames. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required.
Other information	Refer to protective measures listed in Sections 7 and 8

Environmental Precautions

Environmental Precautions	Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down / dilute dust cloud with water spray. Prevent spreading in to storm drains.

Methods and Material for Containment and Cleaning up

Prevent dust cloud formation. Prevent further leakage or spillage if safe to do so. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. Dike large spills. Wash clothing and equipment after handling.

7. Handling & Storage

Precautions for Safe Handling

Handling	KEEP OUT OF REACH OF CHILDREN AND PETS. Use only as directed. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid raising dust. Keep container tightly closed. Keep away from heat and sources of ignition. Do not discharge the waste into the drain.

Conditions for Safe Storage, Including any Incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep only in original container.
Incompatible Products	keep away from heat sources, combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture.

8. Exposure Controls / Personal Protection

Control Parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Not available			

ACGIH TLV. American Conference of Governmental Industrial Hygienists – Threshold Limit Value.

OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits

NIOSH IDLH: National Institute of Occupational Safety and Health - Immediately Dangerous to Life or Health.

Appropriate Engineering Controls

Engineering Control	Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
Engineering Measures	Showers, eyewash stations, ventilation systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection:	If splashes are likely to occur: Wear safety glasses with side shields (or goggles). None required for consumer use.
Skin and Body Protection	Wear protective gloves and protective clothing, PVC or rubber.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced. NIOSH/MSHA approved respiratory protection, a dust mask with filter type P2 should be worn.
Hygiene Measure	Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use only with adequate ventilation.

9. Physical & Chemical Properties

Physical and Chemical Properties

Physical States	Powder		
Appearance	Coarse	**Odor**	Odorless
Color	White	**Odor Threshold**	No information available

Property	Values	Remarks/Methods
pH	**10.4 – 10.5**	140 g/L, 20°C
Melting/freezing point	Non data available	None known
Boiling point/boiling range	Non data available	None known
Flash point	Non data available	None known
Evaporation rate	Non data available	None known
Flammability (solid, gas)	Non data available	None known
Flammability limits in Air		
Upper flammability limit	Non data available	None known
Lower flammability limit	Non data available	None known
Vapor pressure	Non data available	None known
Vapor density	Non data available	None known
Specific Gravity	2.16, 20.4°C	None known
Water solubility	140 g/L, 20°C	None known
Solubility in other solvents	Non data available	None known
Partition coefficient: n-octanol/water	Non data available	None known
Auto ignition temperature	Non data available	None known
Decomposition temperature	> 75°C	None known
Kinematic viscosity	Non data available	None known
Dynamic viscosity	Non data available	None known
Explosive properties	Not explosive	None known
Oxidizing properties	Non data available	None known
Other information		
Softening point	Non data available	None known
VOC content (%)	**0**	None known
Particle size	250 – 1000 µm	None known
Particle size distribution	Non data available	None known

10. Stability & Reactivity

Reactivity

Promotes combustion. Substance has basic reaction.

Chemical Stability

Unstable on exposure to heat. Unstable on exposure to moisture.

Possibility of Hazardous Reaction

Decomposes slowly, oxidation resulting in increased fire. This reaction is accelerated on exposure to water (moisture) and temperature rise.

Conditions to Avoid

Avoid raising dust. Keep away from naked flames/heat.

Incompatible Materials

Combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture, steel.

Hazardous Decomposition Products

Reacts with many compounds, oxidation resulting in increased fire or explosion risk. Upon combustion: Oxygen is formed.

11. Toxicological Information

Information on likely routes of exposure

Product information

Inhalation	Exposure to vapor or mist may irritate respiratory tract.
Eye Contact	May cause eye irritation.
Ingestion	Ingestion may cause irritation to mucous membranes and gastrointestinal tract, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD_{50} Oral	LD_{50} Dermal	LC_{50} Inhalation
Disodium carbonate, compound with hydrogen peroxide	1034 mg/kg (rat)	-	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes.

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

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
-	-	-	-	-

IARC (International Agency for Research on Cancer)

Group 3 – Not Classifiable as to Carcinogenicity in Humans)

Reproductive Toxicity

STOT – single exposure No information available.

STOT – repeated exposure No information available.

Chronic Toxicity No information available.

Target Organ Effects No information available.

Aspiration hazard No information available.

Numerical measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document Not applicable

12. Ecological Information

Acute toxicity	Parameter	Method	Value (mg/L)	Duration	Species	Test design	Fresh/salt water	Value determination
Fish	LC50	US EPA	70.7	48 hr	Pimephales promelas	Semi-static	Fresh	Experimental value
Invertebrates	LC50	US EPA	4.9	48 hr	Daphnia pulex	Semi-static	Fresh	Experimental value

Ecotoxicity: Harmful to fish, toxic to invertebrates (Daphnia), pH shift.

Persistence and Degradability Not applicable.

Bioaccumulation	Not applicable.
Other adverse effects	No information available.

13. Disposal Considerations

Disposal methods

Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state and local regulations.

14. Transportation Information

Land transport

US DOT & Canada TDG surface transportation

UN-Number	1479
Hazard Class	5.1
Packaging Group	III
Description	UN1479, Oxidizing solid, N.O.S.
Limited Quantities	Combination packaging: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 25 kg.

Sea Transport

IMDG / IMO

UN-Number	1479
Packaging group	III
Proper shipping names	UN1479, Oxidizing solid, N.O.S.
Class	5.1
EMs No.	None
Marine Pollutant	No

Limited Quantities	Combination packaging: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 25 kg.

Air transport

ICAO / IATA

UN-Number	1479
Proper shipping name	UN1479, Oxidizing solid, N.O.S.
Hazard Class	5.1
Packaging Group	III
Passenger transport:	limited quantities, maximum net quantity per package; 2.5 kg, total 25 kg.
Cargo aircraft only:	100 kg

15. Regulatory Information

Chemical Inventories

TSCA	All components of this product are either on the US TSCA Inventory or otherwise exempt from listing.
DSL/NDSL	All components are on the DSO or NDSL.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

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

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substance which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ

EPA Statement

Not applicable.

US State Regulations

California Proposition 65

This product does not contain any chemicals to State of California to cause cancer, birth defects or any other reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois

International Regulations

Canada

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class **C Oxidizing materials**

D1B Toxic materials

E Corrosive matter

16. Other Information

NFPA

Health Hazard	2	Flammability	0	Instability	1	Physical & Chemical Hazard	2
Special Notices		OX oxidizer					

HMIS

Health Hazard	2	Flammability	0
Physical Hazards	2	Personal Protection	Determined by user, dependent on local conditions

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General 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 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