

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Plus 10 Powder
Product code(s): Plus 10 Powder
Synonym(s): Sodium Metasilicate Pentahydrate

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Laundry brightener
Uses advised against: For industrial and institutional use only

1.3 Details of the supplier and of the safety data sheet

Manufacturer/Supplier
 VistaServ, Inc.
 1509 Edgar Place
 Sarasota, FL 34240 USA
 +1-941-925-9277

1.4 Emergency telephone number

24-Hour Emergency: ChemTel, Inc. - (800) 255-3924; +1-813-248-0585

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition: Substance

Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation EC No. 1272/2008

Corrosive to Metals - Category 1 [H290]
 Skin corrosion - Category 1B [H314]
 Specific target organ toxicity, repeated exposure - Category 3 (STOT RE 3) [H335]

2.2 Label elements

Hazard symbol(s):



GHS05



GHS07

Signal word: **Danger**

Hazard statement(s): H290 - May be corrosive to metals
 H314 - Causes severe burns and eye damage
 H335 - May cause respiratory irritation

Precautionary statements

[Prevention]

P234 - Keep only in original container.
 P260 - Do not breathe dust.
 P264 - Wash hands and other exposed skin areas thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves, protective clothing, eye protection and face protection.

[Response]

P301 + P330 + P331 + P310 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor.
 P303 + P361 + P353 + P310 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a POISON CENTER or doctor.
 P304 + P340 + P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.
 P305 + P351 + P338 + P310 - 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 or doctor.
 P363 - Wash contaminated clothing before reuse.

[Storage]

P405 + P403 + P233 + P406 - Store locked up in a well-ventilated place. Keep container tightly closed. Store in a corrosive resistant container with a resistant inner liner.

[Disposal]

P501 - Dispose of contents and containers in accordance with national and local regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None as defined under 29 CFR 1900.1200.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

% by Weight	Ingredient	CAS Number	EC Number	Index Number	GHS Classification
≤ 100	Sodium Metasilicate Pentahydrate	10213-79-3	229-912-9	014-010-00-8	H290, H314, H335

There are no additional ingredients present in this product which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3.2 Mixtures

Not applicable

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If product dust causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If unconscious, maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Seek immediate medical attention.

Eyes: DO NOT RUB EYES. Immediately flush eyes with large amounts of water or saline solution for at least 20 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. Seek immediate medical attention, preferably from an ophthalmologist.

Skin: Flush skin with large amounts of water while removing contaminated clothing and continue rinsing for at least 15 minutes. Wash contaminated clothing thoroughly before reuse. Discard contaminated shoes. Seek immediate medical attention for chemical burns. If skin irritation persists, seek medical attention.

Ingestion: Rinse mouth with water if the victim is conscious. Remove dentures if present. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. If vomiting occurs, the head should be kept lower than the waist so that vomit does not enter the lungs. Never give anything by mouth to an unconscious or convulsing person. Do not leave the victim unattended. If the victim is unconscious, place in the recovery position and get immediate medical attention. Immediately contact a POISON CENTER or doctor.

4.2 Most important symptoms and effects, both acute and delayed

Potential health symptoms and effects

Eyes: Causes severe eye irritation and severe eye damage. Symptoms include inflammation, swelling, pain, tearing, blurred vision and severe tissue burns. May cause permanent eye damage and visual impairment. Risk of blindness! Particulates can cause mechanical irritation of and burns to the eyes and surrounding tissue.

Skin: Causes severe skin irritation and burns to the skin. Symptoms include inflammation, itching, scaling, blistering and burns. Dusts can cause severe irritation and burns.

Inhalation: Harmful if inhaled. This material is destructive to the mucous membranes. Causes severe irritation of the upper respiratory tract with headache, sore throat, nasal burning, sneezing, cough, shortness of breath and breathing difficulty. Severe over-exposure can cause bronchitis, lung damage, choking, unconsciousness and possible death.

Ingestion: Harmful if swallowed. Ingestion may cause severe and permanent damage to the digestive tract. Causes burns to the lips, mouth, throat and digestive tract. May cause perforation of the digestive tract.

Chronic: Persons with pre-existing eye, skin and chronic respiratory disorders may be more susceptible to the effects of this material. Chronic inhalation may cause lung damage, bronchitis and silicosis. Chronic skin exposure can produce localized skin destruction and/or dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Advice to doctor and hospital personnel

Treat symptomatically and supportively. Use of gastric lavage or emesis is contraindicated. Possible perforation of the stomach or esophagus should be investigated.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable methods of extinction: Use extinguishing media suitable for the surrounding fire.

Unsuitable methods of extinction: No data available

5.2 Special hazards arising from the substance or mixture

This material is non-flammable and non-combustible. However, on contact with most metals liberates hydrogen gas, which is flammable and explosive when confined. Closed containers may rupture due to the buildup of pressure when exposed to extreme heat. Hazardous thermal decomposition products include sodium oxide. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

Explosion hazards: Avoid contact with metals.

5.3 Advice to firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. Water contaminated by this material must be contained

from being discharged to any waterway, sewer or drain to prevent environmental contamination. Dispose of contaminated water and soil according to local regulations.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate non-essential personnel. Wear appropriate protective clothing and equipment designated in Section 8.2. Ventilate the area. Remove all sources of ignition. NO SMOKING. Clean up spills immediately. This material is *deliquescent* (melts to form a liquid on exposure to air)! Spill creates a slip hazard.

6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements.

6.3 Methods and materials for containment and cleaning up

Cover drains and contain spill. DO NOT flush spills down the drain. Minimize dust generation during cleanup. Carefully collect material and place into an approved container for proper disposal. Observe possible material restrictions (Sections 7.2 and 10.5). Clean contaminated area with soap and water. DO NOT allow material or runoff from rinsing contaminated areas to enter floor drains or storm drains, sewers and ditches which lead to waterways or to run off into soil. Dispose of waste via a licensed waste disposal contractor.

6.4 Reference to other sections

For indications about waste treatment, see Section 13.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear all appropriate personal protective equipment specified in Section 8.2. Avoid dust generation and accumulation during storage and handling. Do not get in eyes or on skin or clothing. NO SMOKING. Do not inhale dust. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator. Wash contaminated clothing thoroughly before reuse. Destroy contaminated shoes.

Advice on protection against fire and explosion

Avoid contact with metals.

7.2 Conditions for safe storage, including any incompatibilities

Store in the original container in dry, cool, well-ventilated areas away from incompatible materials (see Section 10.5), food and drink. Transfer only to approved containers having correct labeling. DO NOT store in metal containers. *Hygroscopic material!* Keep containers tightly closed when not in use to prevent moisture absorption. Protect containers against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent spillage. Containers are hazardous when empty as they contain product residue. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Keep locked up and out of reach of children. Ventilate closed areas. Keep locked up and out of reach of children.

7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1.

Individual protection measures: Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

Hygiene measures: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking, smoking or using the lavatory.

Eye/face protection: Wear safety glasses with unperforated side shields or chemical splash goggles during use. A face shield is recommended if splashing is anticipated during use.

Hand protection: Wear Nitrile rubber or PVC gloves or those recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

Skin protection: Wear protective clothing. Wear protective boots if the situation requires.

Respiratory protection: Wear an approved filter type dust respirator when handling this product if dust generation is problematic. Always use an approved respirator when vapor/aerosols exceed permissible exposure limits. Where risk assessment shows air-purifying respirators are appropriate use a half-mask respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Environmental exposure controls: Do not empty into drains.

PPE must not be considered a long-term solution to exposure control. PPE usage must be accompanied by employer programs to properly select, maintain, clean fit and use. Consult a competent industrial hygiene resource to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.



SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White crystalline or granular solid or powder
Odor	Odorless
Odor Threshold	No data available
Molecular Weight	212.08 g/mol
Chemical Formula	Na ₂ SiO ₃ ·5H ₂ O
pH	12.7 (1% solution)
Melting Point	72.2 °C (162 °F), loses of water of hydration
Boiling Point, Initial	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	Non-flammable
Flash Point	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Lower Explosive Limit (LEL)	No data available
Upper Explosive Limit (UEL)	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.75
Viscosity	No data available
Solubility in Water	Soluble
Partition Coefficient (n-octanol/water)	No data available
Oxidizing Properties	Not applicable
Explosive Properties	Not applicable
Volatiles by Weight @ 21 °C	0%

9.2 Other Data

May be corrosive to metals

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

No special reactivity has been reported during normal conditions of handling and use.

10.2 Chemical Stability

This material is stable under recommended storage and handling conditions. Hygroscopic material - absorbs moisture from the air.

10.3 Possibility of hazardous reactions

Corrosive to some metals. Releases hydrogen gas on contact with some metals. Hazardous polymerization will not occur.

10.4 Conditions to avoid

Avoid heat, sources of ignition, incompatible materials and exposure to moisture. Avoid dust generation and accumulation.

10.5 Incompatible materials

Strong acids, lead, tin and tin oxides, zinc, aluminum

10.6 Hazardous decomposition products

Thermal decomposition products may include sodium oxides and silicone oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity

No data available

Acute inhalation toxicity

No data available

Acute dermal toxicity

No data available

Skin irritation

Causes severe skin burns.

Eye irritation

Cause serious eye damage. Risk of blindness!

Sensitization

No data available

Carcinogenicity

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

Specific organ toxicity - single exposure

May cause respiratory irritation.

Specific organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Further information

This product contains no substances present at levels greater than or equal to the 0.1% threshold (de minimis) that are identified as a probable, possible, potential or confirmed carcinogens by ACGIH, IARC, NTP or OSHA. No data is available regarding the mutagenicity or teratogenicity of this product, nor is there any available data that indicates that it causes adverse developmental or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12 - ECOLOGICAL INFORMATION**12.1 Toxicity**

Large spills or discharges to the environment may increase the alkalinity of aquatic systems to a pH > 10, which may be fatal to aquatic life and soil micro-organisms.

Toxicity to fish:

LC₅₀ - Danio rerio (Zebrafish), 96 h: 210 mg/l [literature]

Toxicity aquatic invertebrates:

EC₅₀ - Daphnia magna (Water flea), 96 h: 216 mg/l [literature]

Toxicity bacteria:

EC₅₀ - Pseudomonas putida (Bacteria), 30 min: 1,000 mg/l (anhydrous) [literature]

12.2 Persistence and degradability

Inorganic substances are not biodegradable. Methods for the determination of biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulation potential

This material does not bioaccumulate except in species that use silica as a structural material such as diatoms and siliceous sponges.

12.4 Mobility in soil

The mobility of this material in soil is high.

12.5 Results of PBT and vPvB assessment

The persistent, bioaccumulative or toxic (PBT) or very persistent and very bioaccumulative (vPvB) assessment does not apply to inorganic substances.

12.6 Other effects**Additional ecological information**

Do not allow material to enter surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Methods of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Disposal of surplus and non-recyclable products should always comply with the requirements of environmental protection and in accordance with federal, state and local waste disposal regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA F-Series: No listings above the reportable threshold (de minimis)

RCRA U-Series: No listings above the reportable threshold (de minimis)

SECTION 14 - TRANSPORT INFORMATION

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

Limited quantity for corrosive solids in Packing Group III when inner packagings are not over 5.0 kg (11 lb) net capacity each, packed in a strong outer packaging.

USA DOT (Ground Transportation) - Bulk and Non-bulk

Proper Shipping Name	Disodium trioxosilicate
Hazard Class	8
UN	UN3253
Packing Group	III
NAERG	Guide #154
Packaging Authorization	Non-Bulk: 49 CFR 173.213; Bulk: 173.240
Packaging Exceptions	49 CFR 173.154

Placard(s)



IMO/IMDG (Water Transportation)

Proper Shipping Name	Disodium trioxosilicate
Hazard Class	8
UN	UN3253
Packing Group	III
Marine Pollutant	No
EMS Number	F-A, S-B

ICAO/IATA (Air Transportation)

Proper Shipping Name	Disodium trioxosilicate
Hazard Class	8
UN	UN3253
Packing Group	III
Quantity Limitations	49 CFR 175.27 and 175.75 - Cargo Aircraft Only: 100 kg; Passenger Aircraft: 25 kg

RID/ADR (Rail Transportation)

Proper Shipping Name	Disodium trioxosilicate
Hazard Class	8
UN	UN3253
Packing Group	III

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

U. S. Federal Regulations

OSHA Hazard Communication Standard: This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

OSHA Process Safety Management Standard: This product is not regulated under OSHA PSM Standard 29 CFR 1910.119.

EPA Risk Management Planning Standard: This product is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

EPA Federal Insecticide, Fungicide and Rodenticide Act: This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

Toxic Substance Control Act (TSCA) Inventory: Sodium Metasilicate Pentahydrate (CAS #10213-79-3) is not listed on the TSCA Inventory. It is a hydrate and exempt from TSCA inventory requirements. Sodium Metasilicate, Anhydrous (CAS #6834-92-0) is listed. This material is not subject to TSCA 12(b) Export Notification.

Drug Enforcement Administration (DEA) List 2, Essential Chemicals (21 CFR 1310.02(b)) and 1310.4(f)(2)) and Chemical Code Number
Not listed

Drug Enforcement Administration (DEA) Lists 1 & 2, Exempt Chemical Mixtures (21 CFR 1310.12(c)) and Code Number: Not listed

Department of Homeland Security (DHS) Chemical Facility Anti-Terrorism Standards (CFATS) Chemicals: Not listed

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories

May be corrosive to metals Causes severe burns and eye damage May cause respiratory irritation

SARA 313 Information: None of the components of this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance: None of the components of this product exceed the threshold (de minimis) reporting levels established by these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification: None of the components of this product exceed the threshold (de minimis) reporting levels established by these sections of Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): None of the components of this product exceed the threshold (de minimis) reporting levels for hazardous wastes established by CERCLA.

Clean Air Act (CAA)

This product does not contain Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain Class 1 ozone depleters.

This product does not contain Class 2 ozone depleters.

Clean Water Act (CWA)

This product does not contain Hazardous Substances listed under the CWA.

This product does not contain Priority Pollutants.

This product does not contain Toxic pollutants.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product contains no chemical(s) known to the state of California to cause cancer birth defects or reproductive harm in concentrations that exceed the threshold (de minimis) reporting levels established under Proposition 65.

Other U.S. State Inventories

Sodium Metasilicate and its hydrates are not listed on any State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists.

Canada

WHMIS Hazard Classification: Harmful if swallowed Causes severe burns and eye damage May cause respiratory irritation

Canadian National Pollutant Release Inventory (NPRI): This material is not listed on the NPRI.

European Economic Community

WGK, Germany (Water danger/protection): 1 (slightly hazardous to water)

Global Chemical Inventory Lists

Country	Inventory Name	Listed*
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
Europe	Inventory of New and Existing Chemicals (EINECS)	Yes
United States	Toxic Substance Control Act (TSCA)	Yes
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (KECI)	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

*Yes - All components of this product comply with the inventory requirements administered by the governing country.

No - One or more components of this product are not on the inventory or are exempt from listing.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

C = safety glasses, gloves & apron

HMIS Hazard Rating Legend

0 = Minimal 1 = Slight 2 = Moderate

3 = Serious 4 = Severe

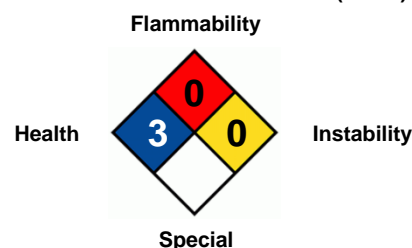
* = Chronic Health Hazard

NFPA Hazard Rating Legend

0 = Insignificant 1 = Slight 2 = Moderate

3 = High 4 = Extreme

National Fire Protection Association (NFPA)



Abbreviation Key

ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Accord Dangereux Routier (European regulations concerning the international transport of dangerous goods by road)
CAS	Chemical Abstract Services
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EC ₅₀	Half maximal effective concentration
EMS	Emergency Response Procedures for Ships Carrying
EPA	Environmental Protection Agency
ErC ₅₀	Reduction of Growth Rate
ERG	Emergency Response Guide Book

LD ₅₀	Lowest Lethal Dose
mppcf	Millions of Particles Per Cubic Foot
NA	North America
NAERG	North American Emergency Response Guide Book
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PBT	Persistent, Bioaccumulating and Toxic
PEL	Permissible exposure limit
PMCC	Pensky-Martens Closed Cup
ppm	Parts Per Million

FDA	Food and Drug Administration	RCRA	Resource Conservation and Recovery Act
GHS	Globally Harmonized System of Classification and Labelling of Chemicals (GHS)	RID	Dangerous Goods by Rail
HCS	Hazard Communication Standard	RQ	Reportable Quantity
IARC	International Agency for Research on Cancer	TCC/Tag	Tagliabue Closed Cup
IATA	International Air Transport Association	TLV	Threshold Limit Value
IC₅₀	Half Maximal Inhibitory Concentration	TSCA	Toxic Substance Control Act
ICAO	International Civil Aviation Organization	TWA	Time-weighted Average
IDLH	Immediately Dangerous to Life and Health	UN	United Nations
IMDG	International Maritime Dangerous Goods	VOC	Volatile Organic Compounds
IMO	International Maritime Organization	vPvB	Very Persistent and Very Bioaccumulating
LC₅₀	50% Lethal Concentration	WHMIS	Workplace Hazardous Materials Information System
LD₅₀	50% Lethal Dose		

DISCLAIMER OF RESPONSIBILITY

The information herein is given in good faith and is believed to be accurate and correct; however, no warranty, expressed or implied, is made. VistaServ Inc. assumes no responsibility for personal injury or property damage that may arise from the use of this material since the conditions of handling and use are beyond our control. It is the responsibility of the user to comply with all Federal, State and local laws and regulations regarding use of this product. Vendees or users assume all risks associated with the use of this material.

Revision date: 30 December 2022, Version 4
 Supersedes SDS: 27 November 2018, Version 3

<end of document>