

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Identification

Product form	: 3 components: White pouch- solid, Silver Pouch- solid, Bottle- liquid
Product name	: ODOR GOBLIN and ODOR GOBLIN XL
Product code	: GT6633, GT6699

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

Use of the substance/mixture	: Deodorizing delivery system (pouches). Generates chlorine dioxide as a control for odor-causing bacteria, mold, mildew, and chemical odors in confined spaces where moisture is present.
------------------------------	--

1.3. Details of the supplier of the safety data sheet

Gliptone Manufacturing Inc.
 1740 Julia Goldbach Avenue
 Ronkonkoma, NY 11779 - United States of America
 T 1-631-285-7250 - F 1-631-589-5487
www.gliptone.com

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 International: 1-703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Acute Tox. 4 (Oral)	H302 - Harmful if swallowed
Acute Tox. 4 (Inhalation:dust,mist)	H332 - Harmful if inhaled
Skin Irrit. 2	H315 - Causes skin irritation
Eye Irrit. 2A	H319 - Causes serious eye irritation

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

: Danger

Hazard statements (GHS-US) :

: H302 - Harmful if swallowed

H332 - Harmful if inhaled

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary statements (GHS-US) :

: P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P262 - Do not get in eyes, on skin, or on clothing

P264 - Wash ... thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P310 - If swallowed: Immediately call a poison center/doctor/...

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308+P313 - If exposed or concerned: Get medical advice/attention

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P310 - Immediately call a poison center/doctor/...
P311 - Call a poison center/doctor/...
P321 - Specific treatment (see ... on this label)
P330 - Rinse mouth
P361 - Take off immediately all contaminated clothing
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use ... to extinguish
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to ...

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
White Pouch – Sodium Chlorite	(CAS No) 7758-19-2	60 - 66	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330
Silver Pouch – Inorganic Acids	(CAS No) Proprietary	25 - 32	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Eye Dam. 1, H318
Bottel – Inorganic Buffer	(CAS No) Proprietary	6 - 10	Acute Tox. 4 (Oral), H302

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Call a physician immediately. First aid procedures must be followed in any contact is suspected.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

First-aid measures after skin contact

: Will cause severe irritation. Immediately remove contaminated clothing or footwear.

First-aid measures after eye contact

: Will cause severe irritation. In case of contact, immediately flush eyes with plenty of water. Obtain medical attention.

First-aid measures after ingestion

: Contact a poison control center. Rinse mouth. Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries

: Serious irritation.

Symptoms/injuries after skin contact

: Serious irritation.

Symptoms/injuries after eye contact

: Serious irritation.

Symptoms/injuries after ingestion

: Serious irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

: Water is recommended to dilute chlorine dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: Not flammable. Under fire conditions closed containers may rupture or explode.

Reactivity

: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters

Firefighting instructions

: Move containers away from the fire area if this can be done without risk.. Ensure that there is no direct contact between the water and the product.

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Use chemically protective clothing.
Other information	: Combustion produces irritating gases. Carbon oxides (CO, CO2). Phosphorous oxide. corrosive and toxic gas. Hydrogen fluoride.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Keep public away.
6.1.1. For non-emergency personnel	
Protective equipment	: Use chemically protective clothing.

Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.
----------------------	---

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".
----------------------	---

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Do not allow to enter drains or water courses. Ventilate well.
Methods for cleaning up	: Notify authorities if product enters sewers or public waters. Liquid spill: neutralize with powdered limestone or sodium bicarbonate. Flush spill area with water spray.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection"".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:
Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Inspect frequently to identify any sing of warping or leak of the containers. Keep away from : Keep container closed when not in use.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep public away.
Storage conditions	: Store in a well-ventilated place. Keep cool. Store locked up. Inspect frequently to identify any sing of warping or leak of the containers. No smoking. Steel packaging must be corrosion-resistant or have protection against corrosion.
Special rules on packaging	: Always keep in containers made of the same material as the supply container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chlorine Dioxide (10049-04-4)	
ACGIH	OSHA PELTWA 0.1 ppm OSHA PELSTEL 0.3 ppm NIOSH RELTWA 0.1 ppm NIOSH RELSTEL 0.3 ppm ACGIH TLVTWA 0.1 ppm ACGIH TLVSTEL 0.3 ppm

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Impermeable protective gloves. Wear long sleeves. Use protective clothing.
Eye protection	: Contact lenses should not be worn. Face shield. Goggles + face shield.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Powder
Color	: Mixture contains one or more component(s) which have the following colour(s): White
Odor	: Mixture contains one or more component(s) which have the following odour(s): Chlorine
Odor threshold	: No data available
pH	: 7
Melting point	: 338 F
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: 1.21
Relative vapor density at 20 °C	: 2
Solubility	: soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

VOC content	: 0 %
-------------	-------

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Once mixed, product reacts to produce chlorine dioxide.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Moist environments

10.5. Incompatible materials

Keep away from: acids, reducing agents, combustible materials, bases, and strong oxidants. Caustic products.

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Skin contact.; Eyes contact.; Inhalation; Ingestion.
Acute toxicity : Oral: Irritant if swallowed. Inhalation:dust,mist: Irritant if inhaled. Eyes: Irritant if exposed

Chlorine Dioxide (10049-04-4)

LD50 oral rat	292 mg/kg (Rat)
LCLO (inhalation)	500 ppm/15 min
Skin corrosion/irritation	: Irritant.
Serious eye damage/irritation	: Irritant.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: No
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Acute exposure can cause bronchitis, pneumonia, or pulmonary edema. Reduces ability to transport oxygen through the body.
Specific target organ toxicity (repeated exposure)	: Damage of the mucous membrane of the lungs
Aspiration hazard	: Irritant.
Symptoms/injuries after skin contact	: Irritant.
Symptoms/injuries after eye contact	: Irritant.
Symptoms/injuries after ingestion	: Irritant.
Other information	: Irritant.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Do not discharge into drains or the environment. Do not discharge into surface water.

Chlorine Dioxide (10049-04-4)

LC50 fish 1	Fathead minnow, juvenile: 0.02 mg/l
LC50 fish 2	Fathead minnow, adult: 0.15 mg/l
LC50 fish 3	Bluegill, young of the year: 0.15 mg/l

12.2. Persistence and degradability

Chlorine Dioxide (10049-04-4)

Persistence and degradability	Will degrade into chlorine dioxide and sodium chloride
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated as dangerous goods or hazardous material.

TDG

Not regulated as dangerous goods or hazardous material.

Transport by sea

Not regulated as dangerous goods or hazardous material.

Air transport

Not regulated as dangerous goods or hazardous material.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

IMDG/SFA: Not determined

REGULATORY INFORMATION

CANADA DSL: In compliance

US TSCA: In compliance

WHMIS CLASSIFICATION: Not determined

OSHA REGULATED: Non hazardous. Corrosive as defined in 29 CFR

1910.1200

HMIS RATING: Not rated

NFPA RATING: Not rated

SARA 302: Not subject to SARA Section 302

SARA 311/312: Not subject to SARA Section 311/312

SARA 313: Subject to SARA Section 313

CALIFORNIA PROPOSITION 65: Not subject to California Proposition 65

CERCLA REPORTABLE QUANTITIES: Not subject to CERCL.

DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: In accordance with municipal, provincial, state and federal regulations.

RCRA: D002.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

Toxic Substance Control Act

The components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory

Superfund Amendments and Reauthorization Act (SARA) Title III Hazard Category S (40 CFR 370.2)

Health: Immediate (Acute), Delayed (Chronic)

Emergency Planning and Community Right To Know (40 CFR 355, APP.A)

Extremely Hazardous Substance (EHS)- Planning Quantity

None Established

Supplier Notification Requirements, Per 40 CFR 372.45 None required

ODOR GOBLIN and ODOR GOBLIN XL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 2 (Dermal)	Acute toxicity (dermal) Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhalation) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

NFPA health hazard

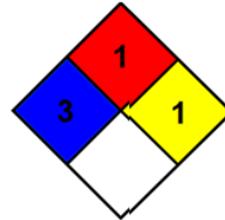
: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product