

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

1 Identification

- **Product identifier**
- **Trade name:** General Formula
- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Odor neutralizing agent
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Zero Odor Co, LLC.
600 Abbey Ct
Alpharetta, GA 30004
Phone: (800) 526-2967
Email: support@zeroodor.com
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS08

- **Signal word:** Danger
- **Hazard statements:**
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Precautionary statements:**
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P284 In case of inadequate ventilation wear respiratory protection.
P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

(Cont'd. on page 2)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 1)

· **Chemical characterization: Mixtures**

· **Components:**

	Trade Secret ⚠ Eye Irrit. 2A, H319; Skin Sens. 1B, H317	<1%
	Trade Secret ⚠ Flam. Liq. 2, H225 ⚠ Acute Tox. 4, H332; Eye Irrit. 2A, H319; STOT SE 3, H335	<1%
	Trade Secret ⚠ Resp. Sens. 1, H334 ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302	<1%

· **Additional information:**

For the wording of the listed Hazard Statements, refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air.

Provide oxygen treatment if affected person has difficulty breathing.

If experiencing respiratory symptoms: Call a poison center/doctor.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation or rash occurs: Get medical advice/attention.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Asthma attacks

Causes mild skin irritation.

Slight irritant effect on eyes.

Breathing difficulty

Coughing

Allergic reactions

· **Danger:** Danger of impaired breathing.

· **Indication of any immediate medical attention and special treatment needed:**

Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.

In cases of irritation to the lungs, initial treatment with corticosteroid inhalants.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

(Cont'd. on page 3)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 2)

- **Extinguishing media**
- **Suitable extinguishing agents:**
The product is not flammable.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment as required.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Ensure adequate ventilation.
Isolate area and prevent access.
- **Environmental precautions**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
Towel or mop up material and collect in a suitable container.
For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.
Send for recovery or disposal in suitable receptacles.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Open and handle receptacle with care.
Keep out of reach of children.
Prevent formation of aerosols.
Avoid breathing mist, vapors, or spray.
Avoid splashes or spray in enclosed areas.
Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.

(Cont'd. on page 4)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 3)

- Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· Control parameters

· Components with limit values that require monitoring at the workplace:

Trade Secret

PEL (USA)	Long-term value: 300 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 450 mg/m ³ , 150 ppm Long-term value: 300 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 303 mg/m ³ , 100 ppm
EL (Canada)	Long-term value: 100 ppm
EV (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm
LMPE (Mexico)	Long-term value: 100 ppm
A4	

· Exposure controls

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

· Engineering controls: Provide adequate ventilation.

· Breathing equipment: Use suitable respiratory protective device when aerosol or mist is formed.

· Protection of hands:

Gloves are advised for repeated or prolonged contact.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

Nitrile rubber, NBR

Neoprene gloves

Butyl rubber, BR

· Eye protection: Follow relevant national guidelines concerning the use of protective eyewear.

· Body protection: Protective work clothing

· Limitation and supervision of exposure into the environment

No relevant information available.

· Risk management measures No relevant information available.

9 Physical and chemical properties

(Cont'd. on page 5)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 4)

· **Information on basic physical and chemical properties**

· **Appearance:**

Form:	Liquid
Color:	Colorless
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value:	Not determined.
Melting point/Melting range:	0 °C (32 °F) (Estimate)
Boiling point/Boiling range:	100 °C (212 °F) (Estimate)

Flash point:	The product is not flammable.
--------------	-------------------------------

Flammability (solid, gaseous):	Not applicable.
--------------------------------	-----------------

Auto-ignition temperature:	Not determined.
----------------------------	-----------------

Decomposition temperature:	Not determined.
----------------------------	-----------------

Danger of explosion:	Product does not present an explosion hazard.
----------------------	---

· **Explosion limits**

Lower:	Not determined.
Upper:	Not determined.

Oxidizing properties:	Non-oxidizing.
-----------------------	----------------

Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
----------------------------------	---------------------

· **Density:**

Relative density:	1.0 ± 0.05 (estimate)
Vapor density:	Not determined.
Evaporation rate:	Not determined.

· **Solubility in / Miscibility with**

Water:	Easily soluble.
--------	-----------------

Partition coefficient (n-octanol/water):	Not determined.
--	-----------------

· **Viscosity**

Dynamic:	Not determined.
Kinematic:	Not determined.

Other information	No relevant information available.
-------------------	------------------------------------

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Reacts with strong acids and alkali.
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** Excessive heat.

(Cont'd. on page 6)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 5)

- **Incompatible materials** No relevant information available.

- **Hazardous decomposition products**

Under fire conditions only:

Carbon monoxide and carbon dioxide

Possible in traces:

Chlorine compounds

Sulfur oxides (SOx)

Nitrogen oxides (NOx)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:** None.

- **Primary irritant effect:**

- **On the skin:** May have mild irritant effect on skin

- **On the eye:** Slight irritant effect on eyes.

- **Sensitization:** Sensitization possible through inhalation.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Based on available data, the classification criteria are not met.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

- **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity** No relevant information available.

- **Persistence and degradability** No relevant information available.

- **Bioaccumulative potential:** No relevant information available.

- **Mobility in soil:** No relevant information available.

- **Additional ecological information**

(Cont'd. on page 7)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 6)

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- DOT, ADR, IMDG, IATA

Not regulated.

- **UN proper shipping name**

- DOT, ADR, IMDG, IATA

Not regulated.

- **Transport hazard class(es)**

- DOT, ADR, IMDG, IATA

- Class

Not regulated.

- **Packing group**

- DOT, ADR, IMDG, IATA

Not regulated.

- **Environmental hazards**

- Marine pollutant:

No

- **Special precautions for user**

Not applicable.

- **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code

Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- United States (USA)

- SARA

(Cont'd. on page 8)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 7)

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

Not all ingredients listed.

· **Proposition 65 (California)**· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** April 04, 2018 / -· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety and Health
 OSHA: Occupational Safety & Health Administration
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Flam. Liq. 2: Flammable liquids – Category 2
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

(Cont'd. on page 9)

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: April 04, 2018

Revision: April 04, 2018

Trade name: General Formula

(Cont'd. of page 8)

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com