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# **SAFETY DATA SHEET**

# Section 1. Identification

Product name: Chem-Gro Fertilizer 10-8-22

Other Means of identification: 10-8-22 Hobby Formula

Product type: Fertilizer

Manufacturer's Name: HGI Worldwide Inc dba Hydro-Gardens

Address: HGI Worldwide Inc dba Hydro-Gardens 8765 Vollmer Rd., Colorado Springs, CO. 80908-4710 Telephone Number for Information 719-495-2266 Emergency Telephone (Chemtrec) 800-424-9300

Relevant identified use of the substance or mixture & uses advised against

Use only in accordance with label directions.

### Section 2. Hazards Identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA

Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling & proper use of the product. This SDS should be retained & available for

employees & other users of the product.

Classification of the substance or mixture : Not Classified

**GHS Label Elements:** 

Signal Word : None

Hazard statements : No known significant effects or critical hazards

**Precautionary Statements** 

General : Read label before use. Keep out of reach of children. If medical

advice is needed, have product label at hand.

Prevention : Not applicable
Response : Not applicable
Storage : Not applicable
Disposal : Not applicable
Supplemental label elements : None known
Hazards not otherwise classified : None known

# Section 3. Composition/Information On Ingredients

Substance/mixture : Mixture

Chemical name : None available

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

Occupational exposure limits, if available, are listed in Section 8.

#### **Section 4. First Aid Measures**

#### Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the

upper & lower eyelids. Check for & remove any contact lenses.

Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air & keep at rest in a position comfortable

for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated

clothing & shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed & the

exposed person is conscious, give small quantities of water to drink Don't induce vomiting unless directed to do so by medical personnel

Get medical attention if symptoms occur.

### Most important symptoms/effects, acute & delayed

### Potential acute heath effects

Eye contact : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards. Skin contact : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

#### Indication of immediate medical attention & special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No actions shall be taken involving any personal risk or without

suitable training.

#### See toxicological information (Section 11)

# **Section 5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : No specific fire or explosion hazards.

Hazardous thermal decomposition products : Decomposition products may include the following materials:

Carbon dioxide Carbon monoxide Nitrogen oxides

Halogenated compounds
Metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity

of the incident if there is a fire. No action shall be taken involving any

personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment & self-

contained breathing apparatus (SCBA) with a full face-piece

operated in positive pressure mode.

## **Section 6. Accidental Release Measures**

#### Personal precautions, protective equipment & emergency procedures

For non-emergency personnel : Not applicable
For emergency responders : Not applicable

Environmental precautions : Avoid dispersal of spilled material & runoff & contact with soil,

waterways, drains & sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

### Methods & materials for containment & cleaning up

Spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material & place in a designated, labeled water container. Dispose of via a licensed waste disposal contractor. Note: Section 1 for emergency contact information & Section 13 for waste disposal.

# Section 7. Handling & Storage

### **Precautions for safe handling**

Protective measures

: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

: Eating, drinking & smoking should be prohibited in areas where this material is handled, stored & processed. Workers should wash hands & face before eating, drinking & smoking. Remove contaminated clothing & protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) & food & drink. Keep container tightly closed & sealed until ready for use. Containers that have been opened must be carefully resealed & kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# **Section 8. Exposure Controls / Personal Protection**

### Occupational exposure limits

Appropriate engineering controls

Environmental exposure controls

None

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

Hygiene measures

Eye/face protection

: Wash hands, forearms & face thoroughly after handling chemical products, before eating, smoking & using the lavatory & at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure the eyewash stations & safety showers are close to the workstation locations.

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn unless the assessment indicates a higher degree of protection: safety glasses with side-shields

### **Skin protection**

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed & the risks involved & should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear & any additional skin protection measures should be selected based on the task being performed & the risks involved by a specialist before handling this product. Respiratory protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazard of the product & the safe working limits of the selected respirator.

# Section 9. Physical & Chemical Properties

#### **Appearance**

Physical State : Solid (Crystalline Powder)

Color : Light green & white

Fertilizer Odor Odor threshold Not available Not available рH Melting point Not available **Boiling point** Not available Flash point Not available : Not available Evaporation rate Flammability (solid, gas) : Not available

Lower & Upper explosive : Lower: Not available (flammable) limits : Upper: Not available

Vapor pressure : Not available
Vapor density : Not available
Relative density : Not available
Solubility : Not available
Partition coefficient: n-octanol/water : Not available
Auto-ignition temperature : Not available
Decomposition temperature : Not available

Viscosity : Dynamic: Not available

: Kinematic: Not available

# Section 10. Stability & Reactivity

Reactivity : No specific test data related to reactivity available for this product or

its ingredients

Chemical stability : The product is stable

Possibility of hazardous reactions : Under normal conditions of storage & use, hazardous reactions will

not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage & use, hazardous decomposition

products should not be produced.

# Section 11. Toxicological Information

### Information on toxicological effects

Conclusion/Summary : No known significant effects or critical hazards.

### Irritation/Corrosion

Conclusion/Summary

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Respiratory : May cause respiratory irritation

# **Sensitization**

Conclusion/Summary

Skin : Not sensitizing - based on the individual components.

Respiratory : Not sensitizing - based on the individual components.

### Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : No known significant effects or critical hazards.

**Teratogenicity** 

Conclusion/Summary : No known significant effects or critical hazards.

## Specific target organ toxicity (single exposure)

#### Specific target organ toxicity (repeated exposure) Aspiration hazard

Information on the likely routes of exposure : Not available

Potential chronic health effects

Conclusion/Summary : No known significant effects or critical hazards.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

# Section 12. Ecological information

**Toxicity** 

Conclusion/Summary : Not available

Persistence & Degradability

Conclusion/Summary : No known significant effects or critical hazards.

**Mobility in soil** 

Soil/water partition coefficient (KOC) : Not available

Other adverse effects : No known significant effects or critical hazards.

# Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever

possible. Disposal of this product, solutions & any by-products should at all times comply with the requirements of environmental protection & waste disposal legislation & any regional local authority requirements. Dispose of surplus & non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material & its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material & runoff & contact with soil,

waterways, drains & sewers.

# **Section 14. Transport Information**

Regulatory Information UN no. Proper Shipping Name Class PG\* Note

DOT Not Regulated

PG\*: Packing Group

# Section 15. Regulatory Information

### **Precautionary statements**

Signal word : No signal word.

Emergency Overview : Keep out of reach of children.

<u>U.S. Federal regulations</u> : United States inventory (TSCA 8b):

Not determined.

#### State regulations

### International lists

# National inventory

Australia : At least one component is not listed.
Canada : At least one component is not listed.
China : At least one component is not listed.
Europe : At least one component is not listed.
Japan : At least one component is not listed.
Malaysia : Not determined.

Malaysia : Not determined.

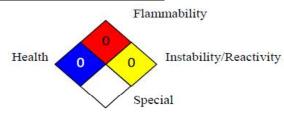
New Zealand : At least one component is not listed.

Philippines : At least one component is not listed.
Republic of Korea : At least one component is not listed.

Taiwan : Not determined.

### **Section 16. Other Information**

### National Fire Protection Association (U.S.A.)



### **History**

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#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards & should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Conforms: GHS (rev 3) (2009) (This Safety Data Sheet conforms to the requirements of the Hazard Communication Standard (HCS) (29 CFR 1910.1220(g)), revised in 2012.) United States