

SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2079	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	GLASS DEFENDER	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Glass & All Surface Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

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 and proper use of the product. This SDS should be retained and available for employees and other users of this product.

SIGNAL WORD:

No signal word.

SYMBOL:

None.

HAZARD STATEMENTS:

No known significant effects or critical hazards.

PRECAUTIONARY STATEMENTS:

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

HAZARDS NOT OTHERWISE CLASSIFIED:

None known.

3. Composition / Information on Ingredients

Substance/mixture: Mixture.

Other means of identification: Not available.

CAS NUMBER/OTHER IDENTIFIERS:

CAS Number: Not applicable.

Product Code: Not available.

There are no ingredients present 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.

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

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Avoid contact with eyes. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SKIN: Avoid contact with skin. Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

INHALATION:

Avoid breathing vapor or mist. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

INGESTION:

Do not ingest. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Potential Acute Health 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 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.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically

Specific Treatments: No specific treatment

Protection of First-Aiders: No special protection is required.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use an extinguishing agent suitable for the surrounding fire.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No specific fire or explosion hazard.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

No specific data.

SPECIFIC FIRE-FIGHTING METHODS:

No special protection is required.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

For non-emergency personnel: Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

SAFE HANDLING

PROTECTIVE MEASURES:

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

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

SAFE STORAGE & 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) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: 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.

Skin Protection:

Hand Protection: Not required under normal conditions of use.

Body Protection: No special protective clothing is required.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Not required.

General Hygiene Considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS:

None.

APPROPRIATE ENGINEERING CONTROLS:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

ENVIRONMENTAL EXPOSURE:

Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9. Physical & Chemical Properties			
Physical State:	Liquid. [Clear.]	Flammability(solid/gas):	Non-flammable.
Color:	None.	Lower and Upper Explosive (Flammable) Limits:	Not applicable.
Odor:	None.	Vapor Density:	Not applicable.
Odor Threshold:	Not applicable.	Vapor Pressure:	Not applicable.
pH:	6 [Conc. (% w/w): 1%]	Relative Density:	1
Melting Point:	Not applicable.	Solubility:	Soluble in water.
Boiling Point:	100°C (212°F)	Solubility in water:	Soluble.
Viscosity:	Water.	Auto-Ignition Temp:	Not applicable.
Flash Point:	Non-flammable.	Decomposition Temp:	Not available.
Evaporation Rate:	1 (Water = 1)	Burning Time:	Not applicable.
SADT:	Not available.	Burning Rate:	Not applicable.
Partition Coeff(n-octanol/water):	Not available.		

10. Stability & Reactivity Information	
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 and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	No specific data.
INCOMPATIBLE MATERIALS:	Reactive or incompatible with the following materials: oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information	
INFORMATION ON TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY:	There is no applicable data.
IRRITATION/CORROSION:	There is no applicable data.
SENSITIZATION:	There is no applicable data.
MUTAGENICITY:	There is no applicable data.
CARCINOGENICITY:	There is no applicable data.
TERATOGENICITY:	There is no applicable data.
REPRODUCTIVE TOXICITY:	There is no applicable data.
SPECIFIC TARGET ORGAN TOXICITY -single exposure:	There is no applicable data.
SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:	There is no applicable data.
ASPIRATION HAZARD:	There is no applicable data.
INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:	
Routes of entry anticipated: Oral, Dermal, Inhalation.	
POTENTIAL ACUTE HEALTH EFFECTS:	
Inhalation: No known significant effects or critical hazards.	
Skin Contact: No known significant effects or critical hazards.	
Eye Contact: No known significant effects or critical hazards.	
Ingestion: No known significant effects or critical hazards.	
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:	
Inhalation: No known significant effects or critical hazards.	
Skin Contact: No known significant effects or critical hazards.	
Eye Contact: No known significant effects or critical hazards.	
Ingestion: No known significant effects or critical hazards.	
DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE	
SHORT TERM EXPOSURE:	
Potential Immediate Effects: No known significant effects or critical hazards.	
Potential Delayed Effects: No known significant effects or critical hazards.	
LONG TERM EXPOSURE:	
Potential Immediate Effects: No known significant effects or critical hazards.	
Potential Delayed Effects: No known significant effects or critical hazards.	
POTENTIAL CHRONIC HEALTH EFFECTS:	
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.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES:

There is no applicable data.

12. Ecological Information

TOXICITY:

There is no data available.

PERSISTENCE AND DEGRADABILITY:

There is no data available.

BIOACCUMULATIVE POTENTIAL:

There is no data available.

MOBILITY IN SOIL:

Soil/water partition coefficient (Koc): There is no data available.

OTHER ADVERSE EFFECTS:

No known significant effects or critical hazards.

13. Disposal Consideration

DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and 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 and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transportation Information

DOT: **UN Number:** Not regulated.
UN Proper Shipping Name: -
Transport Hazard Class(es): -
Packing Group: -
Environmental Hazard: No

IATA: **UN Number:** Not regulated.
UN Proper Shipping Name: -
Transport Hazard Class(es): -
Packing Group: -
Environmental Hazard: No

IMDG: **UN Number:** Not regulated.
UN Proper Shipping Name: -
Transport Hazard Class(es): -
Packing Group: -
Environmental Hazard: No

Special Precautions for User: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

TSCA 8(a) CDR Exempt/Partial Exemption: Not determined.
United States Inventory (TSCA 8b): All components are listed or exempted.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed.
Clean Air Act Section 602 Class I Substances: Not listed.
Clean Air Act Section 602 Class II Substances: Not listed.
DEA List I Chemicals (Precursor Chemicals): Not listed.
DEA List II Chemicals (Essential Chemicals): Not listed.

SARA 302/304

Composition/information on ingredients: No products were found.
SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Not applicable.
Composition/information on ingredients: No products were found.

U.S. STATE REGULATIONS:

Massachusetts: None of the components are listed.
New York: None of the components are listed.
New Jersey: None of the components are listed.
Pennsylvania: None of the components are listed.
California Prop.65: No products were found.

INTERNATIONAL REGULATIONS

INTERNATIONAL LISTS:

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: All components are listed or exempted.

Korea inventory: All components are listed or exempted.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed.

CHEMICAL WEAPONS

Convention List Schedule II Chemicals: Not listed.

Chemical Weapons Convention List Schedule III Chemicals: Not listed

16. Other Information

KEY TO ABBREVIATIONS:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability 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 and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.