



# SAFETY DATA SHEET

## Diamond Shield

### 1. Identification

**Trade Name:** Commodore Diamond Shield

**Product Code:** CA185

**Relevant identified uses of the substance or mixture and uses advised against:** Spray onto clean, dry glass surface, keeping mixture away from skin and eyes.

**Manufacturer/Supplier:**

**Plesh Contract Packaging**

**711 Northland Ave, Buffalo, NY 14211**

Phone: 716-883-4000 Fax 716-892-1171

**Emergency Telephone Number:**

CHEMTREC (800) 424-9300, in Canada CANUTEC 613-996-6666.

### 2. Hazards Identification

**Classification of the substance or mixture**

**Classification according to 29 CFR (HAZCOM 1910.1200)**

**GHS Classification:**

Flammable liquids	Category 2
Serious eye irritation	Category 2A
Skin irritation	Category 2
Specific target organ toxicity-single exposure	Category 3, Narcotic effects

**OSHA Hazards:** Flammable Liquid, Target organ effect, Corrosive

**Target Organs:** Cardiovascular system, gastrointestinal tract, kidney, liver, nerves

**Label elements:**



Signal word: **DANGER**

## **Hazard Statements**

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

## **Precautionary Statements**

P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/Bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash hands 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/physician.
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: Wash cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P330	Rinse mouth.
P361/P364	Take off contaminated clothing and wash it before reuse.
P370/ P378	In case of fire: Use dry chemical, carbon dioxide or alcohol-resistant foam to extinguish.
P403/P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

## **Classification system:**

### **NFPA ratings**

Health: 2  
Fire: 3  
Reactivity: 0

### **HMIS ratings**

Health: 2  
Fire: 3  
Reactivity: 0

### 3. Composition/Information on ingredients

**Chemical characterization:** Mixture

CAS No.	Description	% Range
CAS: 67-63-0 EINECS: 200-661-7	Isopropyl alcohol	92.0 – 96.0%
CAS: 63148-62-9 EINECS: 613-156-5	Polydimethylsiloxane, trimethyl-terminated	3.0 – 6.0%
CAS: 7664-93-9 EINECS: 231-639-5	Sulfuric acid	1.0 – 3.0%

Specific chemical concentrations are being withheld as a trade secret.

### 4. First Aid Measures

**General Advice:** In the case of accident or if you feel ill, seek medical attention.

**Inhalation:** Avoid breathing vapors or mists. Move to fresh air. Seek immediate medical attention.

**Skin contact:** Wash immediately with soap and water. If skin irritation persists, seek medical attention.

**Eye contact:** Rinse thoroughly with water for at least 15 minutes and seek medical attention.

**Ingestion:** Call physician immediately. Immediate medical attention is required. Do not induce vomiting. Never give anything by mouth to an unconscious person

**Information for doctor:** Treat symptomatically. The exact composition is available upon request to physicians and other health professionals.

### 5. Fire Fighting Measures

**Fire:**

Highly flammable. Reacts violently with strong oxidants. Easily ignited by heat, sparks, or flame. Vapors may cause flashback to ignition source.

**Explosion:**

Mixture of vapors and air may be explosive. LEL 2.0%, UEL 12.7% for isopropanol.

**Fire Extinguishing Media:**

Low flash point substance. Use of water may be slow/inefficient until substance dilutes.

**Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## 6. Accidental Release Measures

**Personal cautions:** Ensure adequate ventilation. Avoid contact with skin and eyes

**Environmental cautions:** Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 7. Handling and Storage

**Precautions for safe handling:** Do not get on skin or in eyes. Do not inhale vapors or mist. Use only in well-ventilated area. Keep away from sources of ignition: no smoking. Take measures to prevent the buildup of electrostatic charge.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from oxidizers.

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## 8. Exposure Controls/Personal Protection

**Engineering measures to reduce exposure:**

Ensure adequate ventilation.

**Respiratory protection:** No personal respiratory protective equipment normally required.

**Skin and body protection:** Avoid prolonged or repeated skin contact.

**Eye protection:** Avoid contact with eyes. If splashes are likely to occur, wear: Goggles

**Hand protection:** Preventive skin protection: Neoprene Gloves.

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## 9. Physical and Chemical Properties

### General Information

**Appearance:** Non-viscous water white liquid, clear or slightly hazy

**Odor:** Alcohol

**Flash Point (tag closed cup):** 12°C (54°F)

**pH @60° F:** 1.50

**Viscosity:** 0-15 mPas (@ 60F)

**Specific gravity:** 0.86

**Auto Ignition:** 750°F

**Explosion:** Flammable liquid and vapors.

**Water Solubility:** infinite

**Vapor density:** >1 (air = 1)  
**Evaporation rate:** 1.5 (butyl acetate = 1)  
**Volatile organic compounds:** 941g/L (calc.)

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## 10. Stability and Reactivity

**Stability:** Stable under recommended storage conditions.  
**Polymerization:** None under normal processing.  
**Conditions to avoid:** Heat, static electricity, sparks and other sources of ignition.  
**Materials to avoid:** Strong acids and oxidizing agents.  
**Hazardous decomposition products:** None reasonably foreseeable.

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## 11. Toxicological Information

Caution: Contains isopropyl alcohol in high concentration. Protective equipment should always be worn while handling. Avoid using in confined spaces. If swallowed, seek immediate medical attention. Ingestion may cause permanent organ damage or death. If skin comes in contact with substance, immediately rinse the effective area with water and monitor for any symptoms. Prolonged exposure can be irritating to mucous membranes, skin, and the respiratory system.

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## 12. Ecological Information

### Toxicity

**Aquatic toxicity:** No information available

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

### Results of PBT/vPvB assessment:

**PBT (Persistent Bio-accumulative & Toxic):** Not determined

**vPvB (Very Persistent & Very Bio-accumulative):** Not determined

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## 13. Disposal Considerations

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

**Contaminated packaging:** Disposal must be made according to local and federal regulations

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## 14. Transport Information

DOT/IATA/IMDG                      Isopropanol  
   Hazard Class 3  
   UN Number: UN1219  
   Packing Group II  
   Marine pollutant: No

IATA LTD Qty Max qty per package: 1L

### **Other information:**

Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements and mode-specific or quantity-specific shipping requirements

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## 15. Regulatory Information

### SARA (Superfund Amendments and Reauthorization Act)

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (specific toxic chemical listings): 67-63-0 Isopropanol

**TSCA (Toxic Substances Control Act):** Plesh Contract Packaging certifies that all components listed below for the subject finished product are on the TSCA Inventory of Chemical Substances and are not subject to any chemical specific regulation under TSCA section 12(b) export notification requirements delineated at 40 CFR part 707, subpart D.

**Carcinogens:** None of the ingredients are listed

### **Carcinogenic Categories:**

EPA (Environmental Protection Agency): None of the ingredients are listed

IARC (International Agency for Research on Cancer): None of the ingredients are listed

NTP (National Toxicology Program): None of the ingredients are listed

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## 16. Other Information

For chemical emergencies, spills, leaks, fire or exposure

CHEMTREC (800) 424-9300, in Canada CANUTEC 613-996-6666.

All non-emergency questions should be directed to customer service

Phone: 716-883-4000    Fax 716-892-1171.

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**Prepared by:** Central Laboratory

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