

Distinctive Details
1253 Lower Elkton Road
Columbiana, OH 44408 USA
1-800-711-7021

PRODUCT: Distinctive Details Diamond Clear Glass Cleaner - 510 g

Part # 90200

SECTION 01: IDENTIFICATION

Product Item Numbers..... 90200
 Product Identity..... Distinctive Details Diamond Clear Glass Cleaner - 510 g
 Manufacturer..... Distinctive Details, Inc.
 1253 Lower Elkton Road
 Columbiana, OH 44408
 USA
 800-711-7021

24 hour emergency telephone number.....
 In The United States: Call CHEMTREC (800) 424-9300. In Canada: Call CANUTEC (613) 996-6666

Recommended Use..... Cleaner.
 Chemical Family..... Solvent blend.

SECTION 02: HAZARD IDENTIFICATION



Label Elements:
 Signal Word..... WARNING.
 Hazard Classification:
 Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Liquefied Gas.
 Health Hazards..... Skin Irritation - Category 3. Eye Irritation - Category 2A.
 Environmental Hazards..... Not Classified.
 Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure; may explode if heated (L). H316:Causes mild skin irritation. H319:Causes serious eye irritation.

Precautionary Statements:
 Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251:Do not pierce or burn, even after use. P264:Wash hand thoroughly after handling. P280:Wear eye protection/face protection.
 Response..... P332+P313:If skin irritation occurs: Get medical help. P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313:If eye irritation persists: Get medical advice/attention.
 Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. P403:Store in a well ventilated place .

Disposal
 Hazard(s) not otherwise classified (HNOC) Use only as directed.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Isopropyl alcohol	67-63-0	5-10
Isobutane	75-28-5	5-10
2-Butoxyethanol	111-76-2	1-5
Ammonia Solution	7664-41-7	0.1-1

SECTION 04: FIRST-AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.

Skin Contact..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.

Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

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SECTION 04: FIRST-AID MEASURES

Ingestion..... Ingestion is unlikely to occur. If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.

Most important symptoms/effects, acute .. and delayed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Indication of immediate medical attention and special treatment needed

SECTION 05: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.

Unsuitable Extinguishing Media..... Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.

Special Protective Equipment and .. Firefighters must use standard protective equipment including flame retardant coat, helmet Precautions for Firefighters with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

General Fire Hazards..... Contains flammable contents.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective No action shall be taken involving any personal risk or without suitable training. Evacuate Equipment and Emergency Procedures surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).

Methods and Materials for Containment .. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, and Cleaning Up earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.

Conditions for Safe Storage including any Incompatibilities Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Isopropyl alcohol	400 ppm (980 mg/m3)	500 ppm (1,225 mg/m3)	400 ppm (980 mg/m3)	500 ppm (1,225 mg/m3)	400 ppm (980 mg/m3)	
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available	
2-Butoxyethanol	20 ppm	Not available	50 ppm	Not available	Not available	
Ammonia Solution	25 ppm	35 ppm	50 ppm	Not available	25 ppm	
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.					
Individual Protection Measures:						
Eye/Face Protection.....	Chemical splash goggles are recommended.					
Skin Protection.....	Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.					
Respiratory Protection.....	Use dust and mist respirator.					
Thermal Hazards.....	None Known.					

PRODUCT: Distinctive Details Diamond Clear Glass Cleaner - 510 g**Part # 90200****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

General Hygiene Considerations..... When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.
 Physical Appearance..... Cloudy liquid .
 Odor..... Fragrance.
 Odor Threshold (ppm)..... N/A.
 Aerosol Vapour Pressure (psig, 21°C)..... 45-55.
 pH..... 10.5-11.0.
 Specific Gravity (Aerosol)..... 0.920-0.970.
 Melting/Freezing Point (°C)..... -89. (Isopropyl alcohol).
 Solubility in water..... Soluble.
 Boiling Point liquid (°C)..... 82°C (179.6°F). (Isopropyl Alcohol).
 Evaporation Rate (n-Butyl Acetate = 1)..... No data.
 Vapour Density (Air=1)..... >1.
 Flashback..... N/A.
 Auto Ignition Temperature (°C)..... 460°C (860°F). (Isobutane).
 Flash Point (°C), Method..... -82.8. (Isobutane).
 Aerosol Flame Projection..... N/A.
 Coefficient of Water/Oil Distribution..... No data.
 Lower Flammable Limit (% Vol)..... 1.8. (Isobutane).
 Upper Flammable Limit (% Vol)..... 8.4. (Isobutane).
 Viscosity..... No data.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.
 Chemical Stability..... Material is stable under normal conditions.
 Possibility of Hazardous Reactions..... Will not occur.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatible Materials..... Keep away from heat. Strong oxidizing agents.
 Hazardous Decomposition Products..... See Section 05.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Isopropyl alcohol	73 mg/L (Rat - 4hrs)	3,636 mg/kg (Oral - Rat); 4,059 mg/kg (Dermal - Rabbit)
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
2-Butoxyethanol	2.175 mg/L (Rat - 4 hrs)	530 mg/kg (Oral - Rat); 400-500 mg/kg (Dermal - Rabbit)
Ammonia Solution	2,000 ppm; 1.39 mg/L (Rat- 4 hrs)	350 mg/kg (Oral - Rat)
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.	
Acute Toxicity.....	Harmful or fatal if swallowed. Irritating to the eyes,nose and throat. Skin contact may cause irritation.	
Skin Corrosion/Irritation.....	Causes mild skin irritation. Prolonged contact may be more irritating.	
Serious Eye Damage/Eye Irritation.....	Causes serious eye irritation.	
Respiratory or Skin Sensitization.....	Not classified.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	None of the ingredients are listed as possibly carcinogenic to humans by IARC or ACGIH.	
Reproductive Toxicity.....	No information is available, and no adverse effects are expected.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	Not classified.	
Chronic Effects.....	No information is available, and no adverse effects are expected.	

PRODUCT: Distinctive Details Diamond Clear Glass Cleaner - 510 g**Part # 90200****SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment: Isopropanol (CAS#: 67-63-0): Toxicity to fish: LC50 9,640 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 5,102 mg/L, 96 hrs; Toxicity to algae: EL50 >2,000 mg/L, 72 hrs. 2-butoxyethanol (CAS#: 111-76-2): Not established. Ammonia Solution (CAS#: 7664-41-7): Toxicity to fish: LC50 0.16- 1.1mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EC 50 25.4 mg/L, 48 hrs; Toxicity to algae: EC50 >2,700 mg/L, 432 hrs.
Persistence and degradability	The product itself has not been tested.
Bioaccumulation Potential.....	The product itself has not been tested.
Mobility in Soil.....	The product itself has not been tested.
Other Adverse Effects.....	None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.
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SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
DOT (US-Road).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.
IMDG (International- Marine).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
IATA (International- Air).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.

SECTION 15: REGULATORY INFORMATION

Canada Regulations: Canadian Environmental Protection Act ... (CEPA)	All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations.....	Environmental Protection Act: Constituents of this product are included on the TSCA inventory. This product is considered hazardous under the OSHA Hazard Communication Standard.
California Proposition 65.....	This product does not contain any chemical(s) known to the state of California to cause cancer or reproductivity toxicity.

SECTION 16: OTHER INFORMATION

Disclaimer.....	The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
Abbreviations.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
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