



ClarkDietrich®

SAFETY DATA SHEET

Trade Name	DIAMOND™
Date of Issue	04/14/2025
Replaces (Date/Revision #)	04/14/2025 -NEW
Effective Date	04/14/2025

SECTION 1 – IDENTIFICATION

Product Name: DIAMOND™

Other Means of Identification: N/A

Recommended Use: Aerosol/Sealant

Recommended Restrictions: Industrial use only. Uses other than described above.

Suppliers Details

Company:

ClarkDietrich

9050 Centre Pointe Drive, Suite 400

West Chester, OH 45069

Company Phone Number:

(513) 870-1100

Emergency Phone Number:

Chemtrec 1(800)-424-9300

SECTION 2 – HAZARD IDENTIFICATION

Classification:

Flammable Aerosol – Category 1

Gases Under Pressure – Compressed Gas

Skin Irritation – Category 2

Eye Irritation – Category 2B



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Specific Target Organ Toxicity – Single Exposure (Narcotic effects) – Category 3
Aspiration Hazard – Category 1

Signal Word: DANGER

Hazard Pictograms:



Hazard Statements:

Extremely flammable aerosol
Contains gas under pressure; may explode if heated
May be fatal if swallowed and enters airways
Causes skin and eye irritation
May cause drowsiness or dizziness

Precautionary Statements:

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing vapors or spray. Use only outdoors or in a well-ventilated area.
Wear protective gloves and eye protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.
If on skin: Wash with plenty of soap and water.
Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	% w/w (Approximate)
Methyl Acetate	79-20-9	30-40%
Hexane	110-54-3	5-10%
Propane	74-98-6	5-10%
Isobutane	75-28-5	1-5%
n-Butane	106-97-8	1-5%
Red Dye*	Proprietary	< 1%
Other non-hazardous components**	Not Applicable	40-50%

*Applies to DIAMOND™ based products only.

**Includes non-hazardous materials such as aliphatic and aromatic hydrocarbon carriers, polymeric resins, additives, stabilizers, and colorants present below disclosure thresholds. This section complies with the EPA's 1% rule (40 CFR 370.14) and GHS Rev. 5 guidance.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and wash before reuse.

Eye Contact: Rinse with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Seek immediate medical attention.

Symptoms: Drowsiness, dizziness, headache, skin and eye irritation.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide

Unsuitable Extinguishing Media: Do not use water jet as it may spread the fire

Specific Hazards: Containers may explode in heat. Vapors may travel long distances and ignite

Protective Equipment: Firefighters should wear self-contained breathing apparatus and full protective clothing



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate area. Eliminate all ignition sources. Ensure adequate ventilation

Environmental Precautions: Prevent entry into drains, sewers, and waterways. Notify authorities if spill occurs

Methods for Cleanup: Absorb with inert materials such as sand. Collect and place in appropriate waste containers for disposal according to regulations

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid skin and eye contact. Use in ventilated areas. Do not puncture or incinerate cans.

Storage: Store in a cool, dry place away from heat/sparks. Protect from sunlight and temperatures above 50°C.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical	OSHA PEL	ACGIH TLV	NIOSH REL
Hexane	500 ppm	50 ppm	50 ppm
Methyl Acetate	200 ppm	200 ppm	200 ppm
Propane	1000 ppm	1000 ppm	1800 mg/m ³
Isobutane	Not Established	1000 ppm	800 ppm
n-Butane	Not Established	1000 ppm	800 ppm

Engineering Controls: Use local exhaust ventilation. Avoid creating mist or vapor

Personal Protective Equipment: Chemical-resistant gloves, splash-proof goggles, flame-resistant clothing, and a properly fitted respirator if exposure limits are exceeded

Short and Long-Term Exposure: Prolonged inhalation of vapors may cause dizziness, headaches, and potential nervous system effects

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear and/or blue liquid

Odor: Mild solvent odor

Boiling Point: -42°C to 56°C

Flash Point: -104°C (Propane)

Vapor Pressure: 100-300 kPa at 20°C

Density: 0.75 g/cm³

Solubility: Insoluble in water



SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions

Stability: Stable under normal conditions

Hazardous Reactions: May react with strong oxidizers

Conditions to Avoid: Heat, flames, sparks, and static discharge

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, toxic vapors

SECTION 11 – TOXICOLOGICAL INFORMATION

Chemical	LD50 Oral (Rat)	LD50 Dermal (Rabbit)	LC50 Inhalation (Rat)
Hexane	25000 mg/kg	3000 mg/kg	48000 ppm (4h)
Methyl Acetate	6482 mg/kg	>5000 mg/kg	16000 ppm (4h)
Propane	No data	No data	1237 mg/L (4h)
Isobutane	No data	No data	658 mg/L (4h)
n-Butane	No data	No data	658 mg/L (4h)

Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

Short-Term Effects: Dizziness, nausea, eye and skin irritation

Long-Term Effects: Prolonged exposure may affect the nervous system and liver

Carcinogenicity: None of the components are classified as carcinogens by OSHA, NTP, or IARC

Reproductive Effects: Hexane—potential male reproductive toxicity

Aspiration Hazard: Yes

SECTION 12 – ECOLOGICAL INFORMATION

Chemical	LC50 Fish (96h)	EC50 Algae (72h)	EC50 Daphnia (48h)
Hexane	2.1 mg/L	2.9 mg/L	3.9 mg/L
Methyl Acetate	320 mg/L	No data	1026 mg/L
Propane	No data	No data	No data
Isobutane	No data	No data	No data
n-Butane	No data	No data	No data

Persistence and Degradability: Hexane and Methyl Acetate degrade slowly; propane and butane disperse rapidly in air

Bioaccumulation: Hexane has a moderate bioaccumulation potential

Mobility in Soil: Propane and butane exhibit high volatility and do not persist in soil



SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of contents and container in accordance with federal, state, and local regulations. Do not discharge into drains, surface water, or soil. Do not puncture or incinerate can. Hazardous Waste Code: This product may meet the criteria of a hazardous waste under RCRA (40 CFR 261). GHS Rev. 5 Statement: Follow applicable environmental regulations for disposal. Consider recycling where available.

SECTION 14 – TRANSPORT INFORMATION

UN Number: UN1950

Proper Shipping Name: Aerosols, Flammable (Limited Quantity)

Hazard Class: 2.1

Packing Group: Not Applicable

Limited Quantity: < 1 Liter

Label: Flammable Gas

Modes: DOT, IATA, IMDG compliant

Marine Pollutant: No

Special Precautions: Keep away from sources of ignition and avoid rough handling.

Transport in bulk: Not applicable, as the product is transported only in non-bulk packaging.

GHS Rev. 5 Declaration: Ensure compliance with all applicable transport regulations, including ICAO/IATA, IMDG, and DOT requirements.

SECTION 15 – REGULATORY INFORMATION

TSCA: All components are listed or exempt from listing on the TSCA inventory.

SARA Title III: Sections 311/312 – Fire Hazard, Pressure Hazard

SARA Section 313: This product contains **Hexane**, which is subject to reporting under EPCRA Section 313.

CERCLA Reportable Quantity: **Hexane** has an RQ of 5000 lbs. Releases exceeding this amount must be reported.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive harm.

State Right-To-Know Regulations: Components subject to state-specific reporting requirements include:

RTK States: NJ, PA, MA – Methyl Acetate, Hexane, Propane, Isobutane, n-Butane

Canada WHMIS Classification: A, B5, D2B

GHS Declarations & Global Compliance Notes:

GHS Rev. 5 compliant

Hazard categories per OSHA 29 CFR 1910.1200

Trade secrets allowed per GHS/OSHA

Non-hazardous ingredients grouped per EPA 1% rule



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Classification based on supplier SDSs and literature
ANSI Z400.1/Z129.1 compatible

Labeling and Packaging:

Outer packaging: Limited Quantity mark per DOT/IATA/IMDG

Secondary label: GHS pictograms, signal word, H/P statements, supplier info

International Inventories:

DSL/NDSL (Canada), EINECS/ELINCS (EU), AICS (Australia), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China): Listed or exempt

Other Declarations:

No TSCA 12(b) export notification required

SECTION 16 – OTHER INFORMATION

Revision Date: 04.14.2025

Prepared by: ClarkDietrich

GHS Rev. 5 Compliance: This SDS has been prepared in accordance with GHS Revision 5 standards and complies with EPA, OSHA, and DOT regulations. Users should ensure they meet jurisdiction-specific requirements.

Disclaimer: The information provided in this SDS is believed to be accurate as of the revision date but is subject to change based on new regulations or updated research findings. Users are responsible for compliance with all applicable laws and regulations.