

DEVILBISS[®]

AUTOMOTIVE REFINISHING

1. Identification of Substance / Preparation and Company

Part Number	803046		
Product Description	DeVilbiss [®] De-WIPEOUTS [™] Pre-saturated Wipers, containing a volumetric blend of 50% Isopropyl Alcohol and 50% Deionized Water.		
Manufacturer	Contec, Inc. 525 Locust Grove Spartanburg, SC 29303 USA Tel: 1-864-503-8333 msds@contecinc.com www.contecinc.com	In case of Emergency	Chemtrec [®] US: 1-800-424-9300 International: 1-703-527-3887

2. Composition / Information on Ingredients

Hazardous Ingredients	Concentration (% by volume)	CAS Number
Isopropyl Alcohol (2-propanol)	50%	67-63-0

3. Hazards Identification

Emergency Overview Flammable liquid and vapor. Electrostatic discharge may cause fire. Causes eye irritation. Harmful if inhaled. May be harmful if swallowed. Aspiration hazard: can enter lungs and cause damage. Vapors may cause drowsiness and dizziness. Vapor is heavier than air and can travel considerable distance to a source of ignition and flash back.

Potential Health Effects

- Eyes** May cause moderate eye irritation. May cause pain disproportionate to the level of irritation to eye tissues. May cause moderate corneal injury. Vapor may cause eye irritation experienced as mild discomfort and redness.
- Skin** Repeated exposure may cause a burning sensation and dryness or cracking. Prolonged skin contact is unlikely to result in absorption of harmful amounts.
- Inhalation** In confined or poorly ventilated areas, vapors can readily accumulate and can cause unconsciousness and death. Excessive exposure (400 ppm) may cause eye, nose and throat irritation. Higher levels may cause incoordination, confusion, hypotension, hypothermia, circulatory collapse, respiratory arrest, and death may follow a longer duration and higher levels.
- Ingestion** Low toxicity if swallowed in small amounts. May cause lung damage if swallowed. May cause central nervous system depression, nausea and vomiting. Signs and symptoms of excessive exposure include facial flushing, low blood pressure, irregular heartbeats.

4. First Aid Measures

- Eye Contact** In case of contact with eyes, immediately flush thoroughly with water for at least 15 minutes. Check for and remove contact lenses. Seek medical attention immediately, preferably from an ophthalmologist.
- Skin Contact** Wash thoroughly with soap and water. Seek medical attention if symptoms appear.
- Inhalation** If inhaled, remove to fresh air. If rapid recovery does not occur, seek medical attention.
- Ingestion** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5. Fire Fighting Measures

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Flammable Limits (100% IPA)	2% (LEL)	12% (UEL)
Flash Point	80°F (26.7°C)	
Fire and Explosion Hazards	Vapors may form explosive mixtures with air. Flashback possible over considerable distance.	
Specific Hazards	Material burns with an invisible flame.	
Extinguishing Media	Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.	
Unsuitable Extinguishing Media	Do not use water in a jet.	
Protective Equipment for Fire Fighters	Special protective equipment for fire response includes full "turn-out" gear and self-contained breathing apparatus.	
Additional Advice	Water spray can be used to cool fire-exposed containers and to disperse vapors.	

6. Accidental Release Measures

Containment Procedures	Spills are very unlikely, because the wiper fabric has absorbed the liquid solvent solution. In the event of a spill, evacuate the area of all unnecessary personnel. Wear suitable protective equipment as listed under <i>EXPOSURE CONTROLS / PERSONAL PROTECTION</i> . Eliminate all sources of ignition. Contain the spill and eliminate its source, if this can be done without risk.
Clean-up Procedure	Take up and containerize for proper disposal as described under <i>DISPOSAL CONSIDERATIONS</i> . Comply with all government regulations on reporting releases.

7. Handling and Storage

Handling Procedures	Keep container closed when not in use. Avoid breathing vapors, avoid skin contact, and avoid eye contact by wearing PPE and using in an area with sufficient air exchange. Electrically ground all equipment when handling this product.
Storage Procedures	Keep away from aldehydes, halogenated organics, halogens, strong acids, strong oxidizers. Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Peroxides can form if this product is stored in contact with air. Peroxides can be explosive.

8. Exposure Controls / Personal Protection**Component Exposure Limits (100% IPA)**

ACGIH TLV	TWA	200 ppm
	STEL	400 ppm
OSHA	PEL	400 ppm (980 mg/m ³)
	TWA	400 ppm
	STEL	500 ppm
Engineering and administrative controls	Adequate explosion-proof ventilation to control airborne concentrations below the exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.	

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- Personal Protective Equipment** Use gloves chemically resistant to this product when prolonged or repeated contact could occur. Preferred glove materials include: polyethylene, neoprene, chlorinated polyethylene, natural rubber (latex), polyvinyl chloride (PVC or vinyl), nitrile/butadiene rubber (nitrile or NBR), ethyl vinyl alcohol laminate (EVAL). Avoid gloves made of polyvinyl alcohol (PVA). Safety glasses with side shields must be worn at all times. If splash hazard exists, safety eyewear should be upgraded to include chemical splash goggles.
- Hygiene** Wash hands thoroughly after handling. Do NOT take internally. Eyewash and safety equipment should be readily available.
- Respiratory** A respirator is not needed under normal and intended conditions of product use.

9. Physical and Chemical Properties

The following delineates the physical and chemical properties for the wipe presaturation solution, which is 50% isopropyl alcohol, 50% deionized water:

Flash Point	80°F (26.7°C)
Boiling Point	87° to 100°C (189 to 212°F)
Specific Gravity	0.845 (H ₂ O = 1)
Vapor Pressure	3.3 kPa (25 mmHg) at 20°C
Percent Volatile	100 % by volume
Vapor Density	>1 (AIR = 1) at 20°C
Evaporation Rate	Not available (Butyl Acetate = 1)
Solubility in Water	Completely miscible
Appearance and Odor	Clear liquid with a characteristic odor.

10. Stability and Reactivity

Chemical Stability	This product is considered stable. Hazardous polymerization will not occur.
Conditions to Avoid	Exposure to elevated temperatures can cause product to decompose. Avoid contact with heat and ignition sources. Avoid aldehydes, halogenated organics, halogens, strong acids and strong oxidizing agents.
Hazardous decomposition products	Dependent upon temperature, air supply, and the presence of other materials. May include carbon monoxide and carbon dioxide.

11. Toxicological Information

Component Toxicity	Isopropyl Alcohol, 100%
Acute Skin Toxicity	(Rabbit), LD50 = 13,000 mg/kg; Low toxicity
Acute Oral Toxicity	(Rat): LD50: 4,700 - 6,800 mg/kg; Low toxicity (approx. lethal dose, Human, 100 mL)
Acute Inhalation Toxicity	(Rat): LC50: 19,000 ppm / 8 hours; Low toxicity
Skin Irritation	Not irritating. Prolonged or repeated contact may cause defatting of the skin which can lead to dermatitis.
Eye Irritation	Irritating.
Respiratory Irritation	Inhalation of vapors or mists may cause irritation to the respiratory system.
Other Information	Not a skin sensitizer. Did not cause cancer in laboratory animals. Causes foetotoxicity in animals at doses which are maternally toxic. In animal studies, did not interfere with reproduction.

12. Ecological Information

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General Product Information	Do not allow product to contaminate ponds, watercourses, soils or drains. Do not dispose of product down the drain.
Aquatic Toxicity	Low acute toxicity to fish and aquatic invertebrates
Environmental Fate	If product enters soil, it will be highly mobile and may contaminate groundwater. Readily biodegradable meeting the 10 day window criterion. Oxidizes rapidly by photo-chemical reactions in air. Not expected to bioaccumulate significantly.

13. Disposal Considerations

Product may be disposed of through incineration, if governmental regulations permit. Always contact a licensed, permitted Treatment, Storage and Disposal Facility to assure compliance with all local and state governmental regulations.

14. Transportation Information

DOT Proper Shipping Name	Consumer Commodity
DOT Hazard Class	ORM-D
DOT Packing Group	N/A
IATA Proper Shipping Name	Consumer Commodity
IATA Hazard Class/Division	9
IATA Packing Group	N/A
IMDG Proper Shipping Name	Solids Containing Flammable Liquids, n.o.s. (Isopropanol)
IMDG Hazard Class/Division	4.1 (Flammable Solids)
IMDG Packing Group	II
Marine Pollutant	No
UN Number	UN3175 (Limited Quantity)

15. Regulatory Information**Hazard Symbol:**

F Highly Flammable
Xi Irritant

R Phrases:

R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapors may cause drowsiness and dizziness.

S Phrases:

S2 Keep out of reach of children.
S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.

**16. Other Information****NFPA Ratings**

Health - 1; Flammability - 3; Reactivity - 0.

WHMIS Classification

Class B: Flammable and Combustible Material

Class D: Poisonous and Infectious Materials

Master MSDS Generation Date

March 13, 2013

MSDS Latest Review Date:

May 22, 2014

To the best of our knowledge the facts given are correct. However, the information is given without warranty as to its accuracy. 3225