

# DEVILBISS<sup>®</sup>

AUTOMOTIVE REFINISHING

## 1. Identification of Substance / Preparation and Company

<b>Part Number</b>	803046		
<b>Product Description</b>	DeVilbiss <sup>®</sup> De-WIPEOUTS <sup>™</sup> Pre-saturated Wipers, containing a volumetric blend of 50% Isopropyl Alcohol and 50% Deionized Water.		
<b>Manufacturer</b>	Contec, Inc. 525 Locust Grove Spartanburg, SC 29303 USA Tel: 1-864-503-8333 <a href="mailto:msds@contecinc.com">msds@contecinc.com</a> <a href="http://www.contecinc.com">www.contecinc.com</a>	<b>In case of Emergency</b>	Chemtrec <sup>®</sup> 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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<b>Flammable Limits (100% IPA)</b>	2% (LEL)	12% (UEL)
<b>Flash Point</b>	80°F (26.7°C)	
<b>Fire and Explosion Hazards</b>	Vapors may form explosive mixtures with air. Flashback possible over considerable distance.	
<b>Specific Hazards</b>	Material burns with an invisible flame.	
<b>Extinguishing Media</b>	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.	
<b>Unsuitable Extinguishing Media</b>	Do not use water in a jet.	
<b>Protective Equipment for Fire Fighters</b>	Special protective equipment for fire response includes full "turn-out" gear and self-contained breathing apparatus.	
<b>Additional Advice</b>	Water spray can be used to cool fire-exposed containers and to disperse vapors.	

**6. Accidental Release Measures**

<b>Containment Procedures</b>	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.
<b>Clean-up Procedure</b>	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**

<b>Handling Procedures</b>	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.
<b>Storage Procedures</b>	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)**

<b>ACGIH TLV</b>	TWA	200 ppm
	STEL	400 ppm
<b>OSHA</b>	PEL	400 ppm (980 mg/m <sup>3</sup> )
	TWA	400 ppm
	STEL	500 ppm
<b>Engineering and administrative controls</b>	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:

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

### 10. Stability and Reactivity

<b>Chemical Stability</b>	This product is considered stable. Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	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.
<b>Hazardous decomposition products</b>	Dependent upon temperature, air supply, and the presence of other materials. May include carbon monoxide and carbon dioxide.

### 11. Toxicological Information

<b>Component Toxicity</b>	Isopropyl Alcohol, 100%
<b>Acute Skin Toxicity</b>	(Rabbit), LD50 = 13,000 mg/kg; Low toxicity
<b>Acute Oral Toxicity</b>	(Rat): LD50: 4,700 - 6,800 mg/kg; Low toxicity (approx. lethal dose, Human, 100 mL)
<b>Acute Inhalation Toxicity</b>	(Rat): LC50: 19,000 ppm / 8 hours; Low toxicity
<b>Skin Irritation</b>	Not irritating. Prolonged or repeated contact may cause defatting of the skin which can lead to dermatitis.
<b>Eye Irritation</b>	Irritating.
<b>Respiratory Irritation</b>	Inhalation of vapors or mists may cause irritation to the respiratory system.
<b>Other Information</b>	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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<b>General Product Information</b>	Do not allow product to contaminate ponds, watercourses, soils or drains. Do not dispose of product down the drain.
<b>Aquatic Toxicity</b>	Low acute toxicity to fish and aquatic invertebrates
<b>Environmental Fate</b>	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**

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