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DUMOND®
Architectural, Industrial and Marine Solutions

SAFETY DATA SHEET

Issue Date 07-May-2011 **Revision Date** 3-Mar-2015 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Lift Away Aerosol

Other Means of Identification
SDS # DCI-051

UN/ID No UN1950

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Graffiti remover.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Dumond Chemicals, Inc.
83 General Warren Blvd
Suite 190
Malvern, PA 19355

Emergency Telephone Number
Company Phone Number 1-609-655-7700
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Flammable Aerosols	Category 2

Signal Word
Danger

Hazard Statements
Harmful if swallowed
Causes severe eye irritation
May cause genetic defects
Harmful if inhaled

Flammable aerosol
Pressurized container: May burst if heated

Appearance White liquid **Physical State** Aerosol **Odor** Slight characteristic odor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear eye/face protection
Keep away from heat/sparks/open flames/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

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Get medical attention if irritation occurs
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Storage
Store locked up
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)
May be harmful in contact with skin

Other Hazards
Toxic to aquatic life with long lasting effects
Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Benzyl alcohol	100-51-6	40-60
Water	7732-18-5	20-40
Dimethyl ether	115-10-6	20-30
Propylene carbonate	108-32-7	1-10
Isobutane	75-28-5	1-5

4. FIRST AID MEASURES

First Aid Measures

General advice If exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if necessary.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation occurs.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious give 1 glass of water to dilute. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact Wash thoroughly with soap and water until no traces of the chemical remain. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Exposed individuals may experience eye tearing, redness and discomfort. May include redness, drying and cracking of skin. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Possible aspiration hazard. Area of contact may become numb due to anesthetic effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically. Individuals with chronic eye, skin and respiratory disorders may be at an increased risk from expose to this material.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Contents under pressure. Keep away from heat, sparks, or open flames. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause bursting. Flammable. Cool containers exposed to flames with water until well after the fire is out. Aerosol flame projection test: >18" extension at 70 F.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx).

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect against bursting cans.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Contain and collect with an inert absorbent and place into an appropriate container for disposal. Wash spill area with plenty of water. Prevent run off to storm sewers and ditches leading to natural waterways. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Protect container from physical damage. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash face, hands, and any exposed skin thoroughly after handling. Keep out of the reach of children. Do not puncture or incinerate cans. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray near open flame. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep in a dry, cool and well-ventilated place. Protect from direct sunlight. Keep away from incompatible materials, open flames, and high temperatures. Do not place can in hot water or near radiators, stoves, or other sources of heat. Store locked up. Do not store at temperatures above 120°F.

Incompatible Materials Incompatible with strong acids and bases. Strong oxidizing agents. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isobutane 75-28-5	TWA: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m³

Appropriate Engineering Controls

Engineering Controls Showers. Eyewash stations. Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles. Do not wear contact lenses.

Skin and Body Protection Wear protective butyl rubber gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. If occupational exposure limits are exceeded, use NIOSH approved respirator with organic vapor cartridges and dust/mist pre-filter. For higher concentrations (greater than10 times the recommended exposure limit) an approved supplied air respirator (with escape bottle if required) or self– contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form, and concentration. Select in accordance with OSHA 1910.134 and good industrial hygiene practice.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Aerosol		
Appearance	White liquid	**Odor**	Slight characteristic odor
Color	White	**Odor threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	10	
Melting point/freezing point	Not available	
Boiling point/boiling range	Not available	
Flash point	None(concentrate) <-41°C (propellant)	
Evaporation rate	Not determined	
Flammability (solid, gas)	Not determined	
Flammability limits in air		
Upper flammability limits	18% (dimethyl ether)	
Lower flammability limit	1.8% (isobutane)	
Vapor pressure	Not determined	
Vapor density	Not determined	
Specific gravity	1.05 (concentrate)	
Water solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition coefficient	Not available	
Autoignition temperature	Not available	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	Not determined	
Oxidizing Properties	Not determined	

Other Information

VOC Content (%)	5-10%
VOC Content	6.17 lbs/gal

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children. Heat, flames and sparks. Avoid all possible sources of ignition.

Incompatible Materials
Incompatible with strong acids and bases. Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products
May oxidize with air to form benzaldehyde and benzoic acid. Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation Harmful if inhaled.

Eye Contact Causes severe eye irritation.

Skin Contact May be harmful in contact with skin.

Ingestion Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Dimethyl ether 115-10-6	-	-	= 308.5 mg/L (Rat) 4 h
Propylene carbonate 108-32-7	= 29000 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-
Isobutane 75-28-5	-	-	= 658 mg/L (Rat) 4 h

Information on Physical, Chemical and Toxicological Effects

Symptoms May include redness, drying and cracking of skin. Exposed individuals may experience eye tearing, redness, and discomfort. Area of contact may become numb due to anesthetic effects. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Possible aspiration hazard. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Chronic toxicity Individuals with chronic eye, skin and respiratory disorders may be at an increased risk from expose to this material.

Aspiration hazard Risk of serious damage to the lungs (by aspiration).

Numerical Measures of Toxicity- Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1886 mg/kg
ATEmix (dermal) 3050 mg/kg
ATEmix (inhalation-gas) 1008 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzyl alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	23: 48 h water flea mg/L EC50
Propylene carbonate 108-32-7	500: 72 h Desmodesmus subspicatus mg/L EC50	5300: 96 h Leuciscus idus mg/L LC50 static 1000: 96 h Cyprinus carpio mg/L LC50 semi-static	EC50 > 10000 mg/L 17 h	500: 48 h Daphnia magna mg/L EC50

Persistence and Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined.

Chemical Name	Partition coefficient
Benzyl alcohol 100-51-6	1.1
Dimethyl ether 115-10-6	-0.18
Propylene carbonate 108-32-7	0.48
Isobutane 75-28-5	2.88

Other Adverse Effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Based on package size, product may be eligible for limited quantity exception

DOT (each not exceeding 1 L capacity)
UN/ID No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1

IATA
UN/ID No UN1950

Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1

IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed

Legend:
TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
ENCS *- Japan Existing and New Chemical Substances* ***IECSC***
- China Inventory of Existing Chemical Substances ***KECL*** *-*
Korean Existing and Evaluated Chemical Substances
PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	Yes
Reactive Hazard	No

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X
Dimethyl ether 115-10-6	X	X	X
Isobutane 75-28-5	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	4	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	Not determined	Not determined	Not determined	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet