



# SAFETY DATA SHEET

Issue Date 18-Apr-2007

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Smart Strip 7

**Other Means of Identification**

**SDS #** DCI-014

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Paint 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 - Inhalation (Vapors)	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3

**Signal Word**

**Danger**

**Hazard Statements**

Harmful if inhaled  
 Causes skin irritation  
 Causes severe eye irritation  
 May damage fertility or the unborn child  
 May cause respiratory irritation. May cause drowsiness or dizziness



**Appearance** Light brown paste

**Physical State** Paste

**Odor** Slight Sweet

**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  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear eye/face protection

**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 ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed  
 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	20-40
1-Methyl-2-pyrrolidone	872-50-4	10-20
alpha-(4-nonylphenyl)-omega-hydroxy-poly(oxy-1,2-ethanediyl) branched	127087-87-0	<2

Chemical Additions

Contains 10-20% dibasic ester, which is a mixture of dimethyl glutarate (CAS# 1119-40-0) and dimethyl adipate (CAS# 627-93-0)

## 4. FIRST AID MEASURES

### First Aid Measures

<b>General advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
<b>Eye Contact</b>	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.
<b>Ingestion</b>	If conscious give 1 glass of water to dilute. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.

### Most Important Symptoms and Effects, both Acute and Delayed

<b>Symptoms</b>	Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause irritation, redness and pain. Area of contact may become numb due to anesthetic effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.
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### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically. Individuals with chronic respiratory or skin diseases may be at risk from exposure.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray (fog). Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

At elevated temperatures, containers may rupture. Cool containers exposed to flames with water until well after the fire is out. Vapors may form explosive mixtures with air.

**Hazardous combustion products** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment as required. Remove all sources of ignition.
<b>Environmental Precautions</b>	Do not allow into any sewer, on the ground or into any body of water.

### Methods and Material for Containment and Cleaning Up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike the spilled material, where this is possible. Collect using an inert absorbent material and place in appropriate containers for disposal.

**Methods for Cleaning Up** Keep in suitable, closed containers for disposal. Wash spill area with plenty of water. 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** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Wash face, hands, and any exposed skin thoroughly after handling. Protect container from physical damage. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. 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 containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible materials.

**Incompatible Materials** Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kaolin 1332-58-7	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

### Appropriate Engineering Controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required. Showers. Eyewash stations.

### Individual Protection Measures, such as Personal Protective Equipment

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

**Skin and Body Protection** Wear protective butyl rubber gloves. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory Protection** If occupational exposure limits are exceeded, use NIOSH approved respirator with organic vapor cartridges and dust/mist pre-filter. For higher concentrations (greater than 10 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**

<b>Physical State</b>	Paste	<b>Odor</b>	Slight Sweet
<b>Appearance</b>	Light brown paste	<b>Odor threshold</b>	Not determined
<b>Color</b>	Light brown		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	6	
<b>Melting point/freezing point</b>	Not available	
<b>Boiling point/boiling range</b>	Not available	
<b>Flash point</b>	> 93.3 °C / > 200 °F	
<b>Evaporation rate</b>	<1	Cleveland Open Cup (butyl alcohol = 1)
<b>Flammability (solid, gas)</b>	Not determined	
<b>Flammability limits in air</b>		
<b>Upper flammability limits</b>	Not available	
<b>Lower flammability limit</b>	Not determined	
<b>Vapor pressure</b>	<0.3	(n-methyl-2-pyrrolidone)
<b>Vapor density</b>	3-4	(Air=1)
<b>Specific gravity</b>	12.0 lbs/gal	
<b>Water solubility</b>	partially soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not available	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic viscosity</b>	Not determined	
<b>Explosive properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

**Other Information**

<b>VOC Content (%)</b>	15.64%
<b>VOC Content</b>	1.88 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.

**Incompatible Materials**

Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

**Hazardous Decomposition Products**

Thermal decomposition may produce oxides of carbon and nitrogen.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure**

**Product Information**

<b>Inhalation</b>	Harmful if inhaled.
<b>Eye Contact</b>	Causes severe eye irritation.
<b>Skin Contact</b>	Causes skin irritation. May be harmful in contact with skin.
<b>Ingestion</b>	May be 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
1-Methyl-2-pyrrolidone 872-50-4	= 3598 mg/kg ( Rat )	= 2500 mg/kg ( Rat ) > 5000 mg/kg ( Rabbit )	= 3.1 mg/L ( Rat ) 4 h
Dimethyl Adipate 627-93-0	= 1920 mg/kg ( Rat )	-	-
Dimethyl Glutarate 1119-40-0	= 8191 mg/kg ( Rat )	-	> 5.6 mg/L ( Rat ) 4 h

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause irritation, redness and pain. Area of contact may become numb due to anesthetic effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

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

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

**Reproductive toxicity** May damage fertility or the unborn child.

**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

**Numerical Measures of Toxicity- Product**

Not determined

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

<b>ATEmix (oral)</b>	2017 mg/kg
<b>ATEmix (dermal)</b>	2311 mg/kg
<b>ATEmix (inhalation-gas)</b>	809 mg/l
<b>ATEmix (inhalation-dust/mist)</b>	0.1 mg/l
<b>ATEmix (inhalation-vapor)</b>	10.5 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
1-Methyl-2-pyrrolidone 872-50-4	500: 72 h Desmodosmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static		4897: 48 h Daphnia magna mg/L EC50
Dimethyl Glutarate 1119-40-0		19.6 - 26.2: 96 h Pimephales promelas mg/L LC50 static		122.1 - 163.5: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability**

Material is readily biodegradable.

**Bioaccumulation**

The product has low potential for bioaccumulation.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
Benzyl alcohol 100-51-6	1.1
1-Methyl-2-pyrrolidone 872-50-4	-0.46

**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**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Listed  
**DSL** Listed

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - 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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
1-Methyl-2-pyrrolidone - 872-50-4	872-50-4	10-20	1.0

### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

### US State Regulations

Chemical Name	California Proposition 65
1-Methyl-2-pyrrolidone - 872-50-4	Developmental

### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X
Kaolin 1332-58-7	X	X	X
1-Methyl-2-pyrrolidone 872-50-4	X	X	X

### U.S. EPA Label Information



**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical Hazards</b> Not determined	<b>Personal Protection</b> Not determined

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**Revision Note** New format

**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**