

## ZESTASOL MATERIAL SAFETY DATA SHEET

Product: ZESTASOL

### SECTION I: PREPARATION INFORMATION

Supplier / Manufacturer:	ESTHÉTIQUE SANS FRONTIÈRES 9101 , DU PARCOURS ANJOU , QC Canada, H1J 2Y1
Prepared by:	TECHNICAL DEPARTMENT
Dated Prepared:	11/4/2011
Telephone:	(514) 327-6734
Chemical name:	N/A
Chemical formula:	N/A
Chemical family:	NON ORGANIC
Use:	WAX CLEANER
Emergency Telephone Numbers:	(514) 327-6734, (800) 463-5060

### SECTION II: PRODUCT INFORMATION

HAZARDOUS INGREDIENTS	%W/W	TLV	CAS NO.
D-Limonene	60 - 100	N/E	5989-27-5

Note: \*Recommended  
 N/E - Not Established N/A - Not Applicable T - Total Dust  
 (C) - Ceiling Value (S) - Skin Notation (R) - Repirable Dust

### SECTION III: PHYSICAL DATA

Initial Boil - Point:	Component ( - ) 175.5	DEG.C. 347.9	DEG.F (@ 760 MMHG
Vapour Pressure:	Component ( - ) 1.0	MMHG 14	DEG.C 57.2 DEG.F
Vapour Density:	(X) Heavier than Air	( - ) Lighter than Air	
Evaporation Rate:	(X) Slower than Ether	( - ) Faster than Ether	
Physical State:	Liquid		
Odour Threshold:	N/E	Freezing Point: N/E	DEG.C PH: N/E
Specific Gravity:	0.84 @ 25	DEG.C / .77	DEG.F
% Volatile:	100%		
Appearance and Odour:			
Clear Liquid, Mild Citrus Odour			

### SECTION IV: FIRE & EXPLOSION INFORMATION

Flash Point: (X) Closed Cup ( - ) N/A ( - ) Open Cup 46.1 DEG.C. 115 DEG.F.  
 Flammable Limits: LFL: 0.7% UFL: 6.1% ( - ) N/E Component ( - )  
 Auto Ignition Temperature: N/E DEG.C.  
 Extinguishing Media: (X) Foam (X) Water Fog (X) Dry Chemical (X) Carbon Dioxide

#### ZESTASOL MSDS

ESF - 9101 DU PARCOURS, ANJOU, QC, CANADA, H1J 2Y1  
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Hazardous Combustion Products: Firefighting Procedures:	CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC. WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.
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Special Fire & Explosion Hazards:	VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDING POINT.
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NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED AND / OR BONDED WHEN MATERIAL IS TRANSFERRED.

**SECTION V: TOXICOLOGICAL PROPERTIES**

Threshold limit value: Effects of acute overexposure: Skin / Skin absorption: Breathing: Swallowing: Other Data: Keep away from heat and flame.	NOT ESTABLISHED EYES EYES - CAUSES IRRITATION, REDNESS, TEARING SKIN - CAUSES SEVERE IRRITATION BREATHING - EXCESSIVE INHALATION OF VAPORS MAY CAUSE NASAL AND RESPIRATORY IRRITATION. SWALLOWING - MAY CAUSE GASTROINTESTINAL IRRITATION. D-LIMONENE, LD: 50 (ORL-RAT) 4400 MG/KG, LC: 50 (INH - RAT) NOT ESTABLISHED. LD: 50 (SKN - RBT) > 5000 MG/KG.
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**SECTION VI: FIRST AND MEASURES**

First aid: If on skin: If in Eyes: If Swallowed: If Breathed:	THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE. FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION. INDUCE VOMITING BY EITHER GIVING IPECAC SYRUP OF BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION. IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION.
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**SECTION VII: REACTIVITY DATA**

Hazardous Polymerization: Stability: Incompatibility:	CANNOT OCCUR STABLE AVOID CONTACT WITH: STRONG OXYDIZING AGENTS D-LIMONENE REACTS VIOLENTLY WITH IODINE PENTAFLUORIDE IN TETRAFLUOROETHYLENE.
Hazardous decomposition products:	WHEN HEATED TO DECOMPOSITION, D-LIMONENE EMITS ACRID SMOKE, FUMES. CARBON DIOXIDE AND CARBON MONOXIDE.

**SECTION VIII: PREVENTIVE MEASURES**

Steps to be taken in case material is released or spilled:

Small spill:	ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.
Large spill:	ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.
Waste disposal method:	
Small spill:	DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.
Large spill:	DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.
Respiratory protection:	IF OVEREXPOSURE HAS BEEN DETERMINED OR DOCUMENTED, A "NIOSH/MSHA" JOINTLY APPROVED AID SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. "OSHA" REGULATIONS ALSO PERMIT OTHER "NIOSH/MSHA" RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OF ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.
Ventilation:	PROVIDE SUFFICIENT MECHANICAL (GENERAL AND / OF LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV (S).
Protective gloves:	WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER.
Eye protection:	CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER.
Other protective equipment:	TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.
Shipping information:	
Shipping name:	< 454 - LITRES - NOT REGULATED > 454 - LITRES - TERPENE HYDROCARBONS, N.O.S. (D-LIMONENE, MYRCENE)
UN Number:	2319
Class:	3
Packing Group:	III

**PRODUCT DISPOSAL INFORMATION:**

THIS PRODUCT MAY BE CLASSIFIED AS A LIQUID INDUSTRIAL WASTE OF A REGISTERABLE SOLID WASTE AND MAY BE SUBJECT TO WASTE GENERATOR REQUIREMENTS.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND / OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

METAL AND PLASTIC CONTAINERS MAY BE RECYCLED. PLEASE CONTACT YOUR DRUM RECONDITIONER FOR FURTHER INFORMATION.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE AND SUITABLE TO THEIR CIRCUMSTANCES.

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