



NatueroSources

1012 Rue des cambrai –Unité 1
Sherbrooke (Québec) J1H 2R7
Téléphone: 819-300-0679 (Sherbrooke)
1877-529-3602 (SANS FRAIS canada/États unis)

MATERIAL SAFETY DATA SHEET

Perfume Alcohol

Specially denatured alcohol (SDA 40)

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Perfume Alcohol
INCI Name: Specially denatured alcohol (SDA)-40 (200 Proof)
County of Origin: CANADA
Product Use: External Use only. Domestic and Industrial: Cosmetics, Personal Care, and Cleaning Products.

CHEMICAL NAME	SPECIALLY DENATURED ETHYL ALCOHOL SDA-40-B (200 PROOF)	CHEMICAL FAMILY	ALCOHOLS/ALKALOIDS		
FORMULA	(1) CH ₃ - CH ₂ - OH (3) C ₂₈ H ₅₄ N ₂ O ₃ (2) (CH ₃) ₃ - C - OH	MOLECULAR WEIGHT	(1) 46.07	(3) 446.57	(2) 74
SYNONYMS	• None				
USE	• As a solvent in the manufacture of: hair and scalp preparations, perfumes and perfume tinctures, bay rum, lotions and creams, deodorants, toilet waters and colognes, shampoos, soaps and bath preparations, external pharmaceuticals, disinfectants, insecticides, fungicides and other biocides, cleaning solutions, theater sprays, incense and room deodorants.				

SECTION: 1.2 COMPANY IDENTIFICATION

Company: NATUROSOURCES.
Address: 1012 Rue de cambrai, Unit 1, Sherbrooke, Québec, J1H 2R7, Canada
Telephone No: (877) 529-3602
FAX: (877) 529-3602
24 HOUR EMERGENCY TELEPHONE NUMBER: (613) 996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

COMPONENT	% V/V	FLAMMABLE LIMITS, % V/V		VAPOUR PRESSURE KPA AT 20°C	VAPOUR DENSITY (AIR = 1)	AUTOIGNITION POINT, °C
		LOWER	UPPER			
(1) Ethyl Alcohol	99.88	3.3	19.0	5.87	1.6	422
(2) Tertiary Butyl Alcohol	0.125	2.4	8.0	4.13	2.6	N/A
(3) Denatonium Benzoate	(0.47g/100 L)	N/A	N/A	N/A	N/A	N/A
Water	Balance					



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SECTION: 3. HEALTH HAZARDS IDENTIFICATION

<u>INGESTION</u>	<ul style="list-style-type: none"> May cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.
<u>SKIN ABSORPTION</u>	<ul style="list-style-type: none"> No adverse effects with normal skin. However, potentially harmful amounts of material may be absorbed across markedly abraded skin when contact is sustained particularly in children.
<u>INHALATION</u>	<ul style="list-style-type: none"> High vapour concentrations may cause a burning sensation in the throat and nose, stinging and watering in the eyes. At concentrations which cause irritation, dizziness, faintness, drowsiness, nausea and vomiting may occur.
<u>SKIN CONTACT</u>	<ul style="list-style-type: none"> No evidence of adverse effects from available information.
<u>EYE CONTACT</u>	<ul style="list-style-type: none"> Severe eye irritant. Vapours can irritate eyes. Eye damage from contact with liquid is reversible and proper treatment will result in healing within a few days. Damage is usually mild to moderate conjunctivitis, seen mainly as redness of the conjunctiva.
<u>EFFECT OF REPEATED OVEREXPOSURE</u>	<ul style="list-style-type: none"> Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis.
<u>MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE</u>	<ul style="list-style-type: none"> Repeated exposure to ethanol may exacerbate liver injury produced from other causes.
<u>OTHER EFFECTS OF OVEREXPOSURE</u>	<ul style="list-style-type: none"> Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the central nervous system of the fetus, producing a collection of effects which together constitute the fetal alcohol syndrome. These include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioural disorders, and small size head.

SECTION: 4. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

Safety Precautions:

Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.

Environmental Precautions:

Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

Methods For Cleaning Up:

Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.



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SECTION: 5. FIRST AID MEASURES

<u>INGESTION</u>	<ul style="list-style-type: none"> • Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. • DO NOT INDUCE VOMITING. • Have victim drink about 250ml (8fl. oz.) of water to dilute material in stomach. • If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. • Seek medical assistance immediately.
<u>SKIN</u>	<ul style="list-style-type: none"> • Flush contaminated area with water for at least 20 minutes. • Remove contaminated clothing under running water. • Completely decontaminate clothing before re-use, or discard. • If irritation occurs seek medical attention.
<u>INHALATION</u>	<ul style="list-style-type: none"> • Remove victim to fresh air. • Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped. • Oxygen may be given if necessary. • Seek medical attention immediately.
<u>EYES</u>	<ul style="list-style-type: none"> • Immediately flush eyes with water for at least 20 minutes, holding the eyelids open. • Seek medical attention immediately.
<u>NOTES TO PHYSICIAN</u>	<ul style="list-style-type: none"> • Symptoms of ethanol intoxication vary with the alcohol level of the blood. Mild alcohol intoxication occurs at blood levels between 0.05% - 0.15% and approximately 25% of individuals will show signs of intoxication at these levels. Above 0.15% the person is definitely under the influence of ethanol and 50-95% of individuals at this level are clinically intoxicated. Severe poisoning occurs when the blood ethanol level is 0.3-0.5%. Above 0.5% the individual will be comatose and death can occur. • The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. • Avoid the use of depressant drugs or the excessive administration of fluids. • This product contains two ingredients that are of low toxicity; tertiary butyl alcohol and denatonium benzoate.

SECTION: 6. HANDLING AND STORAGE

Handling:

Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid"

Storage:



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SECTION: 7. FIRE FIGHTING MEASURES

FLASH POINT, °C • 13 (Tag closed cup, ASTM D-56)

**OTHER
IMPORTANT DATA**

COMPONENT	% V/V	FLAMMABLE LIMITS, % V/V		VAPOUR PRESSURE KPA AT 20°C	VAPOUR DENSITY (AIR = 1)	AUTOIGNI- TION POINT, °C
		LOWER	UPPER			
(1) Ethyl Alcohol	99.88	3.3	19.0	5.87	1.6	422
(2) Tertiary Butyl Alcohol	0.125	2.4	8.0	4.13	2.6	N/A
(3) Denatonium Benzoate	(0.47g/100 L)	N/A	N/A	N/A	N/A	N/A
Water	Balance					

EXTINGUISHING MEDIA

- Apply alcohol-type or all-purpose-type foams by manufacturers' recommended techniques for large fires.
- Use carbon dioxide or dry chemical media for small fires.
- Water is generally unsuitable and may help to spread the fire.
- Use water spray to cool fire-exposed containers and structures.
- Use water spray to disperse vapours; reignition is possible.
- Use self-contained breathing apparatus and protective clothing.

**SPECIAL
FIREFIGHTING
PROCEDURES**

**UNUSUAL
FIRE AND
EXPLOSION
HAZARDS**

- Vapours form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from handling point.

SECTION: 8. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, °C at 760mm Hg	78.5
FREEZING POINT, °C	Not Available
DENSITY, kg/L @ 20°C	0.7883
COEFFICIENT OF WATER/OIL DISTRIBUTION	Separates from oil
pH	Not Applicable
DISTILLATION RANGE, °C	78.0-79.0
MISCIBILITY IN WATER	Complete
% VOLATILES BY VOLUME	99.999
EVAPORATION RATE (butyl acetate = 1)	1.7
<u>APPEARANCE AND ODOUR</u>	<ul style="list-style-type: none"> • Colourless liquid with typical lower alcohol odour. • Odour threshold is in the range of 0.1 to 5100 ppm, according to the Canadian Standards Association publication Z94.4-M1982 (appendix 1).



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SECTION: 9. STABILITY AND REACTIVITY DATA

<u>STABILITY</u>	<ul style="list-style-type: none"> • Stable
<u>CONDITIONS TO AVOID</u>	<ul style="list-style-type: none"> • Sources of ignition
<u>INCOMPATIBILITY</u>	<ul style="list-style-type: none"> • Oxidizing materials
<u>HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS</u>	<ul style="list-style-type: none"> • Burning can produce carbon monoxide and/or carbon dioxide.
<u>HAZARDOUS POLYMERIZATION</u>	<ul style="list-style-type: none"> • Will not occur
<u>CONDITIONS TO AVOID</u>	<ul style="list-style-type: none"> • None currently known

SECTION: 10. SPECIAL EXPOSURE CONTROLS AND PERSONAL PROTECTION

<u>RESPIRATORY EQUIPMENT</u>	<ul style="list-style-type: none"> • Up to 1000 ppm, an approved organic vapour cartridge respirator can be used. • For concentrations above 1000 ppm, an air-supplying respirator is recommended. • The user should consult a respirator guide, such as the Canadian Standards Association's guide Z94.4-M1982.
<u>VENTILATION</u>	<ul style="list-style-type: none"> • The ventilation system should be non-sparking, grounded and separate from other exhaust ventilation systems. • Local ventilation is recommended when handling.
<u>PROTECTIVE GLOVES</u>	<ul style="list-style-type: none"> • Neoprene, butyl or natural rubber.
<u>EYE PROTECTION</u>	<ul style="list-style-type: none"> • Chemical resistant monogoggles when handling
<u>OTHER PROTECTIVE EQUIPMENT</u>	<ul style="list-style-type: none"> • Eye bath, safety shower and other protective equipment as required.

SECTION: 11. SPECIAL PERSONAL PROTECTION

<u>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</u>	<ul style="list-style-type: none"> • Keep away from heat, sparks and flames. • Keep container closed when not in use. • Use with adequate ventilation. • Avoid breathing vapours. • Avoid contact with eyes and skin. • Wash exposed skin thoroughly after handling. • Take precautions to prevent static electricity build-up when transferring contents.
<u>OTHER PRECAUTIONS</u>	<ul style="list-style-type: none"> • Good personal hygiene practices are suggested, such as abstaining from eating, drinking and smoking in the workplace.



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SECTION: 12. WHMIS CLASSIFICATION AND SYNERGISTIC MATERIALS

<u>WHMIS CLASSIFICATION</u>	<ul style="list-style-type: none"> Flammable liquid, eye irritant. Denatonium benzoate is not a controlled product.
<u>SYNERGISTIC MATERIALS</u>	<ul style="list-style-type: none"> Ethanol with carbon tetrachloride, chloroform, bromotrichloromethane, dimethyl-nitrosamine, thioacetamide.

SECTION: 13. INGREDIENTS AND TOXICOLOGICAL INFORMATION

INGREDIENT	% V/V	CAS NO.	TLV, ppm	LC50, ppm/4h.	LD50, mg/kg	LD50, mg/kg
				RAT, INHAL	RAT, ORAL	RABBIT, SKIN
(1) Ethyl Alcohol	99.88	64-17-5	1000	31,623	7,060	20,000
(2) Tertiary Butyl Alcohol	0.125	75-65-0	100	N/A	3,500	N/A
(3) Denatonium Benzoate	(0.47g/100L)	3734-33-6	–	N/A	612	N/A
Water	Balance					

REFERENCES: ACGIH (1988-1989), RTECS (1983), MacFarlan Smith Ltd. (1986) Parke Davis Co. (1978).

SECTION: 14. ECOLOGICAL INFORMATION

Toxic to aquatic organism; may cause long-term adverse effects in the aquatic environment.
 Avoid any pollution of ground, surface or underground water.

SECTION: 15. DISPOSAL CONSIDERATION

<u>SPILL</u>	<ul style="list-style-type: none"> Contain spilled material. Provide adequate ventilation and protective equipment. Remove sources of heat, sparks or flames. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal.
<u>WASTE DISPOSAL</u>	<ul style="list-style-type: none"> Waste material should be disposed of in an approved incinerator or in a designated landfill site, in compliance with all federal, provincial and local government regulations.

SECTION: 16. TRANSPORT INFORMATION

PRIMARY CLASS:	3	CLASS NAME:	FLAMMABLE LIQUID	UN#:	1987
SUBSIDIARY CLASS:	NONE				
SHIPPING NAME:	Alcohols, N.O.S. (ETHANOL)				



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SECTION: 17. MSDS PREPARATION

Prepared by : NatueroSources

Preparation date: Jun 12, 2017

Revision Date: January 06, 2019

SECTION: 18. **DISCLAIMER & CAUTION**

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(2) FURNISH THIS SAME INFORMATION TO EACH CUSTOMER FOR THE PRODUCT, AND

(3) REQUEST CUSTOMERS TO NOTIFY THEIR EMPLOYEES, CUSTOMERS, AND OTHER USERS OF THE PRODUCT OF THIS INFORMATION.