Conforms to ANSI Z400.1-2004 Standard (Canada).

Material Safety Data Sheet

1 . Product and company identification

Common name	: **Moteur-Shampoo**	
Material uses	: Motor and motor parts cleaning.	
Supplier/Manufacturer	: Les Savons Evy Inc. 3460, 39th Avenue Montreal, QC, H1A 3V1 Tel : (514) 642-9920 Toll free : 1-800-715-6687 Fax : (514) 642-4278 Email : info@savonevy.com	
In case of emergency	: CANUTEC (613) 996-6666	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	02/15/2007

2 . Hazards identification

Physical state	: Liquid. [Clear.]
Odor	: Citrus.
Color	: Colorless.
Hazard status	: This material is classified hazardous under the WHMIS Controlled Product Regulation in Canada.
Emergency overview	: DANGER ! FLAMMABLE LIQUID AND VAPOR. COMBUSTIBLE. MAY BE FATAL IF INHALED. HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. Flammable liquid. Very toxic by inhalation. Toxic in contact with skin and if swallowed. Severely irritating to eyes. Irritating to respiratory system and skin. May cause sensitization by skin contact. Keep away from heat, sparks and flame. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing. Contains material that can cause target organ damage. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Potential acute health effects	
Eyes	: Severely irritating to eyes. Risk of serious damage to eyes.
Skin	: Toxic in contact with skin. Irritating to skin. May cause sensitization by skin contact.
Inhalation	: Very toxic by inhalation. Irritating to respiratory system.
Ingestion	: Toxic if swallowed.
Potential chronic health effects	: **CARCINOGENIC EFFECTS**: Classified A3 (Proven for animals.) by ACGIH [2-Butoxyethanol]. Classified 3 (Not classifiable for humans.) by IARC [2-Butoxyethanol]. Classified 3 (Not classifiable for humans.) by IARC [D-Limonene]. **MUTAGENIC EFFECTS**: Not available. **TERATOGENIC EFFECTS**: Not available.
Medical conditions aggravated by over-exposure	: Pre-existing respiratory, skin and digestive disorders and disorders involving any other target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3 . Composition/information on ingredients

Canada		
Name	**CAS number**	**%**
Stoddard Solvent	8052-41-3	60 - 100
2-Butoxyethanol	111-76-2	5 - 10
D-Limonene	5989-27-5	1 - 5
Alcohols, C9-11, Ethoxylated	68439-46-3	1 - 5

4 . First aid measures

Eye contact : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Notes to physician : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

Flammability of the product : Flammable.

Products of combustion : Decomposition products may include the following materials:
carbon oxides

Extinguishing media

Suitable : Use dry chemical, CO_2, water spray (fog) or foam.

Not suitable : Do not use water jet.

Special exposure hazards : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Canada

Product name	Exposure limits
Stoddard Solvent	**ACGIH TLV (United States, 1/2006).** TWA: 525 mg/m³ 8 hour(s). TWA: 100 ppm 8 hour(s).
2-Butoxyethanol	**ACGIH TLV (United States, 1/2006).** TWA: 20 ppm 8 hour(s).

Consult local authorities for acceptable exposure limits.

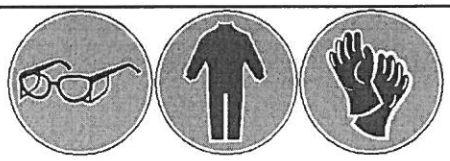
Engineering measures : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Eyes : Safety glasses.

Skin : Overall.

Respiratory : A respirator is not needed under normal and intended conditions of use.

Hands : Natural rubber (latex).



HMIS Code/Personal protective equipment	:	B
Personal protection in case of a large spill	:	Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

Physical state	:	Liquid. [Clear.]
Flash point	:	Closed cup: 57°C (134,6°F) [Tagliabue.]
Color	:	Colorless.
Odor	:	Citrus.
Solubility	:	Very slightly soluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Stability and reactivity	:	The product is stable.
Incompatibility with various substances	:	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	:	Will not occur.
Conditions of reactivity	:	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Slightly flammable in the presence of the following materials or conditions: heat.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test / Route	Species	Result
Stoddard Solvent	LD Dermal	Rabbit	>3 g/kg
	LD Oral	Rat	>5 g/kg
2-Butoxyethanol	LD50 Dermal	Rabbit	220 mg/kg
	LD50 Intraperitoneal	Rat	220 mg/kg
	LD50 Intravenous	Rat	307 mg/kg
	LD50 Oral	Rat	470 mg/kg
	LD50 Oral	Rat	917 mg/kg
	LD50 Unreported	Rat	917 mg/kg
	TDLo Oral	Rat	500 mg/kg
	TDLo Unreported	Rat	250 mg/kg
D-Limonene	LD50 Dermal	Rabbit	>5 g/kg
	LD50 Intraperitoneal	Rat	3600 mg/kg
	LD50 Intravenous	Rat	110 mg/kg
	LD50 Oral	Rat	4400 mg/kg
	LDLo Subcutaneous	Rat	30200 mg/kg

Acute Effects

Eyes	: Severely irritating to eyes. Risk of serious damage to eyes.
Skin	: Toxic in contact with skin. Irritating to skin. May cause sensitization by skin contact.
Inhalation	: Very toxic by inhalation. Irritating to respiratory system.
Ingestion	: Toxic if swallowed.
Potential chronic health effects	: **CARCINOGENIC EFFECTS**: Classified A3 (Proven for animals.) by ACGIH [2-Butoxyethanol]. Classified 3 (Not classifiable for humans.) by IARC [2-Butoxyethanol]. Classified 3 (Not classifiable for humans.) by IARC [D-Limonene]. **MUTAGENIC EFFECTS**: Not available. **TERATOGENIC EFFECTS**: Not available.
Target organs	: Contains material which causes damage to the following organs: blood, kidneys, liver, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Test	Exposure	Result
2-Butoxyethanol	Fish	Mortality	96 hours	Acute LC50 1490 mg/L
D-Limonene	Daphnia	Intoxication	48 hours	Acute EC50 69,6 mg/L
	Fish	Mortality	96 hours	Acute LC50 0,702 mg/L
Nonlyphenol ethoxylated	Fish	Mortality	96 hours	Acute LC50 >1000 mg/L
	Fish	Mortality	96 hours	Acute LC50 >10 mg/L
	Fish	Mortality	96 hours	Acute LC50 7,9 mg/L
	Fish	Mortality	96 hours	Acute LC50 7,6 mg/L
	Fish	Mortality	96 hours	Acute LC50 4,7 mg/L
	Fish	Mortality	96 hours	Acute LC50 1,3 mg/L

Environmental precautions	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Products of degradation	: Products of degradation: carbon oxides (CO, CO_2) and water.

13 . Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14 . Transport information

NAERG : 131

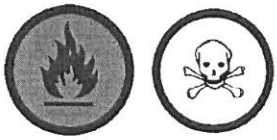
Regulatory information	Proper shipping name	Class	UN number	PG	Label
UN / IMDG / IATA Classification	FLAMMABLE LIQUID, TOXIC, N.O.S. (2-Butoxyethanol, Stoddard Solvent)	3, (6.1)	UN1992	III	

TDG Classification	FLAMMABLE LIQUID, TOXIC, N.O.S. (2-Butoxyethanol, Stoddard Solvent)	3, (6.1)	UN1992	III

15 . Regulatory information

Canada

WHMIS (Canada) : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Class D-1A: Material causing immediate and serious toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).



CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed: Stoddard solvent; 2-Butoxyethanol;D-Limonene
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR. This MSDS contains all the information required by the CPR.

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Hazardous Material Information System :

HMIS RATING

Health	2
Fire hazard	2
Physical Hazard	0
Personal protection	B

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal
See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :

References : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

Date of issue : 01/01/2015

Version : 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.