1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: SNOWMOBILE 2 CYCLE OIL 12/1 QT
General or Generic ID: PETROLEUM BASED-LUBRICATING OIL

Company                        Telephone Numbers
The Valvoline Company               Emergency:     1-800-274-5263
P.O. Box 14000                        Information:   1-859-357-7206
Lexington, KY  40512

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS Number</th>
<th>% (by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALIPHATIC PETROLEUM DISTILLATES</td>
<td>64742-65-0</td>
<td>64.0- 74.0</td>
</tr>
<tr>
<td>ENGINE OIL ADDITIVE</td>
<td></td>
<td>11.0- 21.0</td>
</tr>
<tr>
<td>ALIPHATIC HYDROCARBONS (STODDARD TYPE)</td>
<td>8052-41-3</td>
<td>10.0- 20.0</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye
Can cause eye irritation.

Skin
May cause mild skin irritation. Prolonged or repeated contact may dry and crack the skin.

Swallowing
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation
Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Symptoms of Exposure
stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), and death.

Target Organ Effects
Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans, and may aggravate preexisting disorders of these organs: central nervous
system effects.

Developmental Information
No data

Cancer Information
No data

Other Health Effects
No data

Primary Route(s) of Entry
Inhalation, Skin contact.

4. FIRST AID MEASURES

Eyes
If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin
Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing
Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation
If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physicians
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin.

5. FIRE FIGHTING MEASURES

Flash Point
149.0 F (65.0 C) PMCC

Explosive Limit
(for component) Lower 1.0 Upper 6.0 %

Autoignition Temperature
No data
Hazardous Products of Combustion
  May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards
  Vapors are heavier than air and may travel along the ground or be moved by ventilation and
generated by heat, pilot lights, other flames and ignition sources at locations distant from material
handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media
  regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions
  Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating
  Health - 1, Flammability - 2, Reactivity - 0

6.  ACCIDENTAL RELEASE MEASURES

Small Spill
  Absorb liquid on 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. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

7.  HANDLING AND STORAGE

Handling
  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. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

Storage
  Not applicable
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection
Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection
Wear resistant gloves such as: neoprene, nitrile rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections
If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines
Component
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ALIPHATIC PETROLEUM DISTILLATES (64742-65-0)
OSHA VPEL 5.000 mg/m³ - TWA Oil Mist
ACGIH TLV 5.000 mg/m³ - TWA Oil Mist

ENGINE OIL ADDITIVE
No exposure limits established

ALIPHATIC HYDROCARBONS (STODDARD TYPE) (8052-41-3)
OSHA VPEL 525.000 mg/m³ - TWA
OSHA VPEL 100.000 ppm - TWA
ACGIH TLV 525.000 mg/m³ - TWA
ACGIH TLV 100.000 ppm - TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point
(for component) 315.0 - 398.0 °F (157.2 - 203.3 °C) @ 760 mmHg

Vapor Pressure
(for component) 2.000 mmHg @ 60.00 °F

Specific Vapor Density
No data

Specific Gravity
.874 @ 60.00 °F

Liquid Density
7.270 lbs/gal @ 60.00 °F
.874 kg/l @ 15.60 °C
Percent Volatiles (Including Water)
   No data

Evaporation Rate
   SLOWER THAN ETHYL ETHER

Appearance
   No data

State
   LIQUID

Physical Form
   Not applicable

Color
   BLUE GREEN

Odor
   PETROLEUM

pH
   Not applicable

Viscosity
   6.9      cst     @    100 C

10. STABILITY AND REACTIVITY

Hazardous Polymerization
   Product will not undergo hazardous polymerization.

Hazardous Decomposition
   May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability
   Stable.

Incompatibility
   Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

   No data

12. ECOLOGICAL INFORMATION

   No data

13. DISPOSAL CONSIDERATION

Waste Management Information
   Dispose of in accordance with all applicable local, state and
federal regulations.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101
DOT Description:
Not Regulated

Container/Mode:
CASES/SURFACE - NO EXCEPTIONS

NOS Component:
MINERAL SPIRITS

RQ (Reportable Quantity) - 49 CFR 172.101
Product Quantity (lbs) Component
-----------------------------------------------
- 24307 XYLENES (O-, M-, P- ISOMERS)

15. REGULATORY INFORMATION

US Federal Regulations
TSCA (Toxic Substances Control Act) Status
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4
None

SARA 302 Components - 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class - 40 CFR 370.2
Immediate(X) Delayed( ) Fire(X) Reactive( ) Sudden Release of Pressure( )

SARA 313 Components - 40 CFR 372.65
None

International Regulations
Inventory Status
DSL (CANADA) The intentional ingredients of this product are listed.
EINECS (EUROPE) The intentional ingredients of this product are listed.

State and Local Regulations
California Proposition 65
None

New Jersey RTK Label Information
STODDARD SOLVENT 8052-41-3

Pennsylvania RTK Label Information
STODDARD SOLVENT 8052-41-3
16. OTHER 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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