1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: PYROIL NON-CHLOR BRAKE PARTS CLNR 1/5 GA
General or Generic ID: AUTOMOTIVE CHEMICAL

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 volume)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>45.0</td>
</tr>
<tr>
<td>METHYL ALCOHOL</td>
<td>67-56-1</td>
<td>30.0</td>
</tr>
<tr>
<td>ALIPHATIC PETROLEUM DISTILLATES</td>
<td>64742-89-8</td>
<td>20.0-30.0</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Potential Health Effects
Eye
Can cause eye irritation. Additional symptoms of eye exposure may include: blurred vision.

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.

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 laboratory animals, and may aggravate preexisting disorders of these organs in humans: liver abnormalities, anemia, spleen damage, nervous
system damage, eye damage, kidney damage, lung damage, brain
damage, effects on hearing, central nervous system damage,
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: liver
abnormalities, eye damage, visual impairment.

Developmental Information
No data

Cancer Information
No data

Other Health Effects
No data

Primary Route(s) of Entry
Inhalation, Skin absorption, 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 product contains methanol which can cause intoxication and
central nervous system depression. Methanol is metabolized to
formic acid and formaldehyde. These metabolites can cause
metabolic acidosis, visual disturbances and blindness. Since
metabolism is required for these toxic symptoms, their onset may
be delayed from 6 to 30 hours following ingestion. Ethanol
competes for the same metabolic pathway and has been used to
prevent methanol metabolism. Ethanol administration is indicated
in symptomatic patients or at blood methanol concentrations above
20 ug/dl. Methanol is effectively removed by hemodialysis. 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
20.0 F (-6.6 C) TCC

Explosive Limit
(for component) Lower 1.2 %

Autoignition Temperature
No data

Hazardous Products of Combustion
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards
Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other 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
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 - 2, Flammability - 3, 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
Other protective equipment: not required under normal conditions of use. Wear resistant gloves such as: neoprene.

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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TOLUENE (108-88-3)
OSHA VPEL 100.000 ppm - TWA
OSHA VPEL 150.000 ppm - STEL
ACGIH TLV 50.000 ppm - TWA ((Skin))
ACGIH TLV 150.000 ppm - STEL ((Skin))

METHYL ALCOHOL (67-56-1)
OSHA VPEL 200.000 ppm - TWA ((Skin))
OSHA VPEL 250.000 ppm - STEL ((Skin))
ACGIH TLV 200.000 ppm - TWA ((Skin))
ACGIH TLV 250.000 ppm - STEL ((Skin))

ALIPHATIC PETROLEUM DISTILLATES (64742-89-8)
No exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES
Boiling Point
(for component) 147.0 F (63.8 C) @ 760 mmHg

Vapor Pressure
(for component) 97.680 mmHg @ 68.00 F

Specific Vapor Density
> 1.000 @ AIR=1

Specific Gravity
.803 - .809 @ 60.00 F

Liquid Density
6.711 lbs/gal @ 60.00 F
.806 kg/l @ 15.60 C

Percent Volatiles (Including Water)
No data

Evaporation Rate
SLOWER THAN ETHYL ETHER

Appearance
CLEAR

State
LIQUID

Physical Form
No data

Color
CLEAR, COLORLESS

Odor
No data

pH
Not applicable

Flame Propagation
> 18.000 in

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. Avoid heat, open flame, and prolonged storage at elevated temperatures.

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:
PAINT RELATED MATERIAL,3,UN1263,II

Container/Mode:
CASES/SURFACE - NO EXCEPTIONS

NOS Component:
TOLUENE
PETROLEUM NAPHTHA

RQ (Reportable Quantity) - 49 CFR 172.101
Product Quantity (lbs) Component
---------------------------------------- -----------------------------
- 2066 TOLUENE
16954 METHANOL

__________________________________________________________________________

15. REGULATORY INFORMATION

US Federal Regulations
CERCLA RQ - 40 CFR 302.4
Component Component
---------------------------------------- -----------------------------
TOLUENE 1000
METHYL ALCOHOL 5000

SARA 302 Components - 40 CFR 355 Appendix A
None

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

SARA 313 Components - 40 CFR 372.65
Section 313 Component(s) CAS Number
---------------------------------------- -----------------------------
TOLUENE 108-88-3
METHANOL 67-56-1

International Regulations
Inventory Status
Not determined

State and Local Regulations
California Proposition 65
The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm.
TOLUENE

New Jersey RTK Label Information
TOLUENE 108-88-3
METHYL ALCOHOL 67-56-1
NAPHTHA, SOLVENT 64742-89-8

Pennsylvania RTK Label Information
BENZENE, METHYL- 108-88-3
METHANOL 67-56-1

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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