

# SAFETY DATA SHEET



# PHOENIX®

Issue Date: AUGUST 2013

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### PX ENGINE FLUSH

**Code** : ENGINE FLUSH  
**Proper Shipping Name** : Flammable Liquid, N.O.S. (contains white sprit, trimethyl benzene)  
**Use** : Engine clean

**Name** : Phoenix Lubricants Pty Ltd (ABN 41 820 770 617)  
**Address** : 2 Paul Court, Dandenong Vic 3175  
**Telephone** : (03) 9791 7661  
**Facsimile** : (03) 9791 8831  
**Email** : info@phoenixlubricants.com.au  
**Web** : www.phoenixlubricants.com.au

## 2. HAZARD IDENTIFICATION

**CLASSIFIED AS A HAZARDOUS CHEMICAL ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA**

### **Hazard Class and Category:**

Flammable Liquids Category 2

Skin Corrosion/Irritation Category 2

Eye Damage/Irritation Category 2A

Specific Target Organ Toxicity (Repeated Exposure) Category 1

Specific Target Organ Toxicity (Single Exposure) Category 3

Aspiration Hazard Category 1

### **Signal Word:**

**DANGER**

### **GHS Pictograms:**



### **Hazard Statements:**

H225: Highly flammable liquid and vapour

H315: Causes skin irritation

H319: Causes serious eye irritation

H372: Causes damage to central nervous system through prolonged or repeated exposure

H304: May be fatal if swallowed and enters airways

H335: May cause respiratory irritation

AUH066: Repeated exposure may cause skin dryness or cracking

### **Precautionary Statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P403+P235: Store in a well ventilated place. Keep cool.

P233: Keep container tightly closed.

P405: Store locked up.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

## 2. HAZARD IDENTIFICATION (CONT.)

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves and eye protection.

P264: Wash hands and affected skin thoroughly after handling.

P260: Do not breathe mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P370+378: In case of fire: Use sand, earth, or chemical foam to extinguish.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

P337+P313: If eye irritation persists, get medical advice.

P303+P361+P352: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P301+P310+P331+P101: IF SWALLOWED: Immediately call a POISON CENTER/doctor, if you feel unwell, and have product container or label at hand. Do not induce vomiting.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P314: Get medical advice if you feel unwell.

P501: Dispose of contents and container as hazardous waste.

Poison Schedule : S5

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### INGREDIENTS:

Component	CAS No.	Conc, %
White spirit	8052-41-3	<75
Ethylene glycol monobutyl ether	111-76-2	<10%
1,2,4-trimethyl benzene	95-63-6	<6%
Diacetone alcohol	123-42-2	<5%
Other ingredients not classified as hazardous chemicals according to Safe Work Australia Criteria		

## 4. FIRST AID MEASURES

### REMOVE FROM EXPOSURE IF SAFE TO DO SO

- Swallowed** : *Unlikely exposure route*
- Do not induce vomiting.
  - Keep at rest.
  - Seek immediate medical attention
- Eye** :
- Hold eye open
  - Irrigate with water until irritation subsides (at least 15 minutes)
  - Remove contact lenses if present and they come out easily. Continue rinsing.
  - Seek immediate medical attention
- Skin** :
- Flush area with large amounts of water
  - Wash skin with soap and water
  - Remove contaminated clothing, and wash before reuse
  - Seek medical attention if skin irritation occurs
- Inhalation** :
- Remove from exposure if safe to enter area
  - Loosen/remove clothing
  - Move to fresh air
  - Administer artificial respiration if breathing has stopped
  - Seek immediate medical attention if irritation or symptoms persists

## ADVICE TO DOCTOR

- Avoid gastric lavage: risk of aspiration of product to the lungs with potential to cause chemical pneumonitis.
- Prolonged or repeated exposure may lead to central nervous system depression and damage. Treat according to symptoms.

**AUSTRALIAN POISONS INFORMATION CENTRE**  
**24 HOUR SERVICE 13 11 26**

**NEW ZEALAND POISONS INFORMATION CENTRE**  
**24 HOUR SERVICE 0800 764 766**

## 5. FIRE FIGHTING MEASURES

Hazchem Code	:	●3YE
Flash point	:	<23°C
Fire & Explosive Properties	:	Highly flammable and vapour explosion hazard
Suitable Extinguishing Media	:	Suitable extinguishing media are dry chemical or alcohol resistant foam.
Hazards from Combustion Products	:	Product is a mobile liquid. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low lying spaces forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product may be toxic if inhaled. (Carbon dioxide and carbon monoxide)
Precautions for Fire Fighters - Special Equipment	:	<ul style="list-style-type: none"><li>• Positive pressure self-contained breathing apparatus (SCBA) and protective suit</li><li>• Protective fire fighting clothing</li></ul>

HAZCHEM Emergency Action Code			
FOR FIRE OR SPILLAGE			
1	COARSE SPRAY		
2	FINE SPRAY		
3	FOAM NORMAL PROTEIN		
4	DRY AGENT		
*	ALCOHOL RESISTANT		
P	V	LTS	DILUTE
R			
S	V	BA & FIRE KIT	CONTAIN
T			
W	V	LTS	CONTAIN
X			
Y	V	BA & FIRE KIT	CONTAIN
Z			
E	PUBLIC SAFETY HAZARD		
* SEE LEGEND OVER			

LEGEND	
<b>DRY AGENT</b> Do not use water	
<b>ALCOHOL RESISTANT FOAM *2 OR *3</b> When * appears in front of 2 or 3 in Hazchem code use alcohol resistant foam if available	
<b>V</b> Substances can be violently or even explosively reactive, including combustion	
<b>LTS</b> Liquid-Tight Chemical Protective Suit with BA. Full FIRE KIT to also be worn for protection when. Liquid Oxygen or Liquefied Toxic Gas (Division 2.3) or Toxic Gas with sub-risk 2.1 or 5.1 or Class or sub-risk 3 or Division 5.1 PGI with sub-risk 6.1 or 8 transported at temperature > 100°C are involved	
<b>DILUTE</b> May be washed to drains with large quantities of water, consider EPA or Water Authority	
<b>CONTAIN</b> Prevent, by any means available, spillage from entering drains or water courses	
<b>E</b> People to be warned to stay indoors with all doors and windows closed. Evacuation may need to be considered. Joint Incident Control decision	

## 6. ACCIDENTAL RELEASE MEASURES

Spills or Leaks	:	<ul style="list-style-type: none"><li>• Restrict access to area until clean-up is completed</li><li>• Wear PPE as per this SDS</li><li>• Avoid inhalation of vapour, or skin contact.</li><li>• Absorb / contain waste, use earth, vermiculite, inert material. Waste material remains flammable</li><li>• If there is a build up of vapours or mist in the clean up area, we recommend the use of a respirator.</li><li>• Avoid ignition sources – use spark free tools.</li><li>• Collect and seal in appropriate container</li><li>• Label the container as flammable waste</li><li>• Create bund to prevent spread of the spill.</li><li>• Do not contaminate surface waters - depletion of oxygen in the water will occur.</li><li>• Observe regulatory reporting requirements (Incident Notification)</li><li>• Protect drains from potential spills to minimise contamination. In the case of large spills contact the appropriate authorities.</li></ul>
Disposal	:	<ul style="list-style-type: none"><li>• Dispose of as hazardous waste in accordance with States, Local Government, EPA or related Regulations or Codes of Practice.</li></ul>

## 7. HANDLING AND STORAGE

- Precautions for Safe Handling :**
- Eye wash and safety shower to be available in the workplace.
  - Wear PPE as per this SDS and site risk assessment
  - Compliant eyewash to be provided for external work.
  - Observe good personal hygiene practices.
  - Wash hands thoroughly after handling.
  - Avoid contact with skin and eyes, and inhaling vapour.
  - Use only in well ventilated areas. Ensure Exposure Standards are not exceeded
  - Wear respiratory protection if vapours present.
  - Product is flammable, avoid sources of heat or ignition when handling including unprotected electrical equipment.
  - No eating or drinking in the work area.
- Conditions for Safe Storage :**
- Use grounding leads to avoid discharge (electrical spark)
  - Store away from food, drink and animal feedstuffs.
  - Store away from oxidising agents.
  - Provide ventilation and containment of spills.
  - Separate or segregate from incompatibles (in accordance with regulatory requirements).
  - Avoid direct sunlight.
  - Keep protected from weather.
  - Provide spill kit.
- Container Type :**
- Store in original packaging as approved by manufacturer or regulatory direction. Do not pressurise, cut, heat or weld containers - residual vapours are flammable.
- Incompatible Materials**
- See section 10

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### CONSTITUENT DATA

Components	CAS-No.	Type	Value
White spirit	8052-41-3	TWA	790 mg/m <sup>3</sup>
Trimethyl benzene	Various	TWA	25ppm / 123mg/m <sup>3</sup>
Diacetone alcohol	123-42-2	TWA	50 ppm / 238 mg/m <sup>3</sup>
Ethylene glycol monobutyl ether	111-76-2	TWA	20 ppm / 96.9 mg/m <sup>3</sup>
		STEL	50 ppm / 242 mg/m <sup>3</sup>

### ENGINEERING CONTROLS

- Provide local exhaust when exposure standards might be exceeded.
- Use explosion-proof ventilation equipment
- Provide eyewash and safety showers

### PERSONAL PROTECTION

- Eye Protection :** Wear chemical splash goggles or face shield in accordance with **AS/NZS1337, Eye protection for industrial applications.**
- Gloves :** Wear chemical protective gloves (eg nitrile) in accordance with **AS/NZS 2161.1 - Occupational protective gloves, selection, use and maintenance** where contact may occur.
- Clothing :** Wear body protective clothing and industrial footwear in accordance with **AS2919 - Industrial clothing.**
- Respiration :** If ventilation is inadequate, wear an approved organic vapour respirator in accordance with **AS/NZS1715 - Selection, use and maintenance of respiratory protective devices**



Available



Side shields

or



PVC



Industrial



Non slip



Organic

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pink, clear liquid
Odour	:	Kerosene odour
pH (33% sol'n)	:	Not Applicable
Vapour Pressure (kpa)	:	Not Available
Vapour Density	:	No data
Boiling Point	:	No data available.
Freezing / Melting Point	:	No specific data. Liquid at normal temperatures
Solubility in Water	:	Negligible
Specific Gravity	:	0.775 at 15 deg. C.

### INFORMATION FOR FLAMMABLE MATERIALS

Flash Point	:	<23°C
Percent Volatiles	:	100
Upper Explosive Limit	:	Not available
Lower Explosive Limit	:	Not available
Auto ignition Temperature	:	Not available

### ADDITIONAL INFORMATION

Specific Heat Value	:	N/A
Particle Size	:	N/A
VOC Content	:	100%
Evaporation Point	:	N/A
Kinematic Viscosity @ 40°C	:	N/A
Kinematic Viscosity@ 100°C	:	N/A
Octanol / Water Partition Coefficient	:	N/A
Saturation Vapour Concentration	:	N/A
Decomposition Temperature	:	N/A

## 10. STABILITY AND REACTIVITY

Chemical Stability	:	This product should be kept in a cool place, preferably below 30 deg. C. Keep containers tightly closed. Avoid sunlight may degrade when exposed to light.
Incompatible Materials	:	Oxidising agents.
Hazardous Decomposition Products	:	Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS (IMMEDIATE OR WITHIN 14 DAYS - SHORT TERM)

Swallowed (Oral)	:	Swallowing may result in drowsiness, fatigue, loss of appetite, blurred vision, headache, and nausea. Vomiting may cause this product to be aspirated to the lungs resulting in chemical pneumonitis or pulmonary oedema which may be fatal. Symptoms may be delayed. Seek immediate medical attention.
Eye	:	This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. This product will not permanently damage the eye tissue.
Skin (Dermal)	:	This product is irritating to the skin. It may result in dryness and cracking from prolonged exposure.
Inhalation	:	Inhalation of the vapour may lead to respiratory irritation, with cough, nausea, vomiting, headache, unconsciousness, shortness of breath, dizziness, and loss of consciousness following.

## 11. TOXICOLOGICAL INFORMATION (CONT.)

### CHRONIC (MEDIUM OR LONG TERM)

There is evidence of potentially irreversible damage to the central nervous system from repeated high exposure. Repeated exposure to high concentrations of vapour may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

### CARCINOGENICITY

- This product does not contain any substances that are listed as carcinogens.

### FOR SOLVENTS

#### USED PRODUCTS

- Used products may contain other contaminants. Contact with all types and makes of used solvents must therefore be avoided and a high standard of personal hygiene maintained.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity	:	Harmful to aquatic life with long lasting effects
Persistence / Degradability	:	Slow.
Mobility	:	Highly volatile, will partition rapidly to air.
Environmental Fate (Exposure)	:	Do not allow waste product to reach waterways, drains and sewers

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods	:	This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration in the appropriate equipment using a licences.
Special Precautions for Landfill or Incineration	:	

## 14. TRANSPORT INFORMATION

### ENSURE ALL PACKAGES ARE IN ACCORDANCE WITH THE AUSTRALIAN DANGEROUS GOODS CODE (ADGC)

UN Number	:	1993
UN Proper Shipping Name	:	Flammable Liquid, N.O.S. (contains white spirit, trimethyl benzene)
Dangerous Goods Class and Subsidiary Risk	:	Class 3: Flammable Liquids
Packing Group	:	II
Hazchem Code	:	●3YE
Limited Quantities	:	1L
Marine Pollutant	:	No

### Dangerous Goods Segregation:

This product is classed as Dangerous Goods Class 3, packing group II.  
Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

## 15. REGULATORY INFORMATION (AUSTRALIA)

**COUNTRY:** Australia  
**INVENTORY:** AICS  
**STATUS:** Listed  
**POISON SCHEDULE:** S5 liquid hydrocarbons

Hazardous Chemical according to the criteria of Safe Work Australia.

## 16. OTHER INFORMATION

- References** : For detailed advice on personal protective equipment, refer to the following Australian Standards:
- AS/NZS 1337: Eye protectors for industrial applications
  - AS/NZS 1715: Selection, use and maintenance of respiratory devices
  - AS/NZS 1716: Respiratory protective devices

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

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### CONTACT POINT

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Emergency Phone: **Chemcall: 1800 127 406**. For other information concerning details on this Safety Data Sheet,

**Phoenix Lubricants Pty Ltd, 2 Paul Court, Dandenong Vic, (03) 9791 7661**

All reasonable care has been taken to ensure that the information and advice contained herein is accurate at the time of printing. However, Phoenix Lubricants Pty Ltd accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

**Note:**

This SDS is derived from International and Australian data and is formatted generally in accordance with the Safe Work Australia Code of Practice. Modifications are not made to technical data except where terminology is unclear or additional information is required to satisfy Australian requirements.

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<b>Supplier</b>	:	Phoenix Lubricants Pty Ltd