SAFETY DATA SHEET

Issue Date Version 1.0: 16/10/2017

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PX DIESEL INJECTOR CLEANER

Code : DSLINJECTOR
Use : Injector cleaner additive for diesel fuelled vehicles.

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2. HAZARD IDENTIFICATION

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

Hazard Class and Category:
Flammable Liquids Category 4
Skin Corrosion/Irritation Category 2
Carcinogen Category 2
Specific Target Organ Toxicity (Single Exposure) Category 3
Aspiration Hazard Category 1

Signal Word:
DANGER
GHS Pictograms:

Hazard Statements:
H227: Combustible liquid
H315: Causes skin irritation
H351: Suspected of causing cancer
H335: May cause drowsiness or dizziness
H304: May be fatal if swallowed and enters airways

Precautionary Statements:
P301+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P303+P361+P352: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of soap and water.
P261: Avoid breathing mist, vapours or spray.
P271: Use only outdoors or in a well-ventilated area.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor/ physician if you feel unwell.

2. HAZARD IDENTIFICATION CONT.

P403+P235: Store in a well ventilated place. Keep cool.
P210: Keep away from flames and hot surfaces. No smoking.
P280: Wear protective gloves, clothing and eye protection.
P264: Wash hands thoroughly after handling.
P370+378: In case of fire: Use sand, earth, or chemical foam to extinguish.
P405: Store locked up.
P501: Dispose of contents and container as hazardous waste.

Poison Schedule : S5

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:

Component	CAS No.	Conc, %
Distillates, Petroleum straight run middle (highly refined mineral oil)	64742-46-7	>90%
Organic polymer, nonhazardous	Not available	<4%

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)
- 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

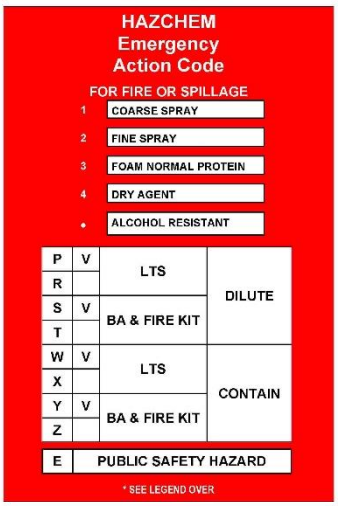
ADVICE TO DOCTOR

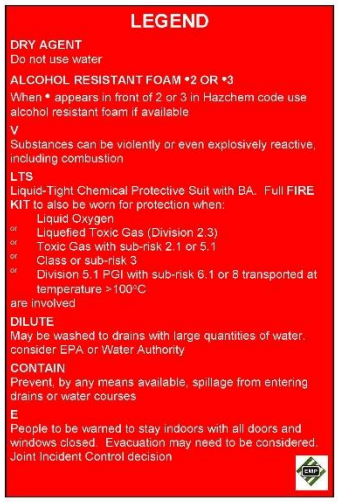
- Avoid gastric lavage: risk of aspiration of product to the lungs with potential to cause chemical pneumonitis.
- Treat according to symptoms

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





Flash point : >60°C

Fire & Explosive Properties : Combustible Liquid. May ignite when heated or in contact with hot surfaces. Spray mist may ignite.

Suitable Extinguishing Media : Suitable extinguishing media are dry chemical or 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. Fire decomposition products from this product may be toxic if inhaled. (Carbon dioxide and carbon monoxide, smoke and soot)

Precautions for Fire Fighters - Special Equipment :
- Positive pressure self-contained breathing apparatus (SCBA) and protective suit
- Protective fire fighting clothing

6. ACCIDENTAL RELEASE MEASURES

Spills or Leaks :
- Restrict access to area until clean-up is completed
- Wear PPE as per this SDS
- Absorb / contain waste, use earth, vermiculite, inert material
- If there is a build up of vapours or mist in the clean up area, we recommend the use of a respirator.
- Collect and seal in appropriate container
- Label the container
- Create bund
- Do not contaminate surface waters - depletion of oxygen in the water will occur.
- Observe regulatory reporting requirements (Incident Notification)
- Protect drains from potential spills to minimise contamination. In the case of large spills contact the appropriate authorities.

Disposal :
- Dispose of in accordance with States, Local Government, EPA or related Regulations or Codes of Practice.

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
- Compliant eyewash to be provided for external work.
- Observe good personal hygiene practices.
- Wash hands thoroughly after handling.
- Avoid contact with skin and eyes.
- Use only in well ventilated areas.
- Wear respiratory protection if vapours present.
- Product is readily combustible, avoid sources of heat or ignition when handling
- No eating or drinking in the work area.
- Use grounding leads to avoid discharge (electrical spark)

Conditions for Safe Storage :
- Store away from food, drink and animal feedstuffs.
- Combustible Liquid - 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.

7. HANDLING AND STORAGE CONT.

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
- Natural Rubber, Butyl Rubber, EPDM, Polystyrene

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONSTITUENT DATA

Components	CAS-No.	Type	Value
Petroleum distillates, Oil Mist	64741-44-2	TWA	5 mg/m^3

ENGINEERING CONTROLS

- Provide local exhaust when comfort levels might be exceeded, or where spray mists occur. Use explosion-proof ventilation equipment

PERSONAL PROTECTION

Eye Protection : Wear safety glasses with side shields in accordance with **AS/NZS1337, Eye protection for industrial applications**.

Gloves : Wear chemical protective gloves (eg nitrile/PVC) 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* *Nitrile/PVC* *Industrial* *Non slip* *Organic Vapour*

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear, pale yellow liquid
Odour	:	Mild hydrocarbon odour
pH (33% sol'n)	:	Not Applicable
Vapour Pressure (kpa)	:	0.1 kPa at 20°C
Vapour Density	:	>5x air
Boiling Point/Range	:	170 – 360 °C
Freezing / Melting Point	:	No specific data. Liquid at normal temperatures
Solubility in Water	:	Negligible
Specific Gravity	:	0.835-0.855 at 20 °C.

INFORMATION FOR FLAMMABLE MATERIALS

Flash Point		>60°C
Percent Volatiles	:	90
Upper Explosive Limit	:	1%
Lower Explosive Limit	:	6%
Auto ignition Temperature	:	>220 °C.

ADDITIONAL INFORMATION

Specific Heat Value	:	N/A
Particle Size	:	N/A

9. PHYSICAL AND CHEMICAL PROPERTIES CONT.

VOC Content	:	90%
Evaporation Point	:	N/A
Kinematic Viscosity @ 20°C	:	3 mm^2/s
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 40 deg. C. Keep containers tightly closed.
Incompatible Materials	:	Strong oxidising agents. May attack natural rubber, butyl rubber, and polystyrene.
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)	:	Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. This may be fatal. Symptoms may be delayed – in all suspected cases seek medical attention. Swallowing any amount of this product will result in headaches, nausea, dizziness, and tracheal burning.
Eye	:	This product is a mild 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 may be irritating to the skin with prolonged exposure. It may result in dryness and cracking.
Inhalation	:	Exposure to large concentrations of vapour over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

CHRONIC (MEDIUM OR LONG TERM)

No data available

CARCINOGENICITY

- An ingredient may possibly cause cancer in humans, based on animal studies.

12. ECOLOGICAL INFORMATION

Ecotoxicity	:	Toxic to aquatic life.
Persistence / Degradability	:	Degrades by photooxidation in air. May persist in anaerobic conditions
Mobility	:	Components will bioaccumulate. Most will partition slowly to air. If product enters soil, it will be highly mobile and may contaminate ground water.
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. Packaging may still contain fumes and vapours that may ignite if heated and harmful. Ensure that empty packaging is allowed to dry. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.
Special Precautions for Landfill or Incineration	:	

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS GOODS DUE TO HIGH FLASHPOINT

UN Number	:	None
UN Proper Shipping Name	:	None
Dangerous Goods Class and Subsidiary Risk	:	None
Packing Group	:	None
Hazchem Code	:	None

Dangerous Goods Segregation:

This product is classed as a Combustible liquid. It must be segregated from Class 5 (oxidising) products in placard loads. 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:

- HB9 (Handbook 9) Manual of industrial personal protection
- AS/NZS 1337: Eye protectors for industrial applications
- AS/NZS 1715: Selection, use and maintenance of respiratory devices
- AS/NZS 1716: Respiratory protective devices
- Ingredient Material Safety Data Sheets

Acronyms:

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

CONTACT POINT

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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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Supplier : Phoenix Lubricants Pty Ltd