

SAFETY DATA SHEET

Tectyl™ 846-K-19 PROTECTANT

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

1.1 Product identifier

Trade name: Tectyl™ 846-K-19 PROTECTANT

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture: Coatings

Details of Supplier/Manufacturer

Company: Penske Power Systems
 Address: 488 Blackshaws Road, Altona North, Victoria 3025
 Phone: (03) 9243 9292
 Fax: (03) 9243 9271
 Website: www.penskeps.com

Emergency Telephone Numbers

All Hours: 1800 625 526
 Poisons Information:
 Australia: 13 11 26
 New Zealand: 0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.
 R66: Repeated exposure may cause skin dryness or cracking.
 R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling according to EC Directives(1999/45/EC)

R-phrase(s) R10 Flammable.
 R66 Repeated exposure may cause skin dryness or cracking.
 R67 Vapours may cause drowsiness and dizziness.

S-phrase(s) S 9 Keep container in a well-ventilated place.
 S16 Keep away from sources of ignition – No smoking.
 S23 Do not breathe spray.
 S36 Wear suitable protective clothing.
 S51 Use only in well-ventilated areas.
 S60 This material and its container must be disposed of as hazardous waste.

2.3 Other hazards

Assessment : PBT substance , vPvB substance - not determined

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Hydrocarbons, C9- C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics	919-857-5 01-2119463258- 33-xxxx	R10 Xn; R65 R66-R67	Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304	>= 40 - < 50

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

- General advice: Consult a physician.
Show this safety data sheet to the doctor in attendance.
- If inhaled: Move to fresh air.
Call a physician or poison control centre immediately.
Keep patient warm and at rest.
If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
If breathing is irregular or stopped, administer artificial respiration.
In case of shortness of breath, give oxygen.
Consult a physician after significant exposure.
- In case of skin contact: Take off contaminated clothing and shoes immediately.
Wash off immediately with plenty of water.
- In case of eye contact: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Remove contact lenses.
- If swallowed: Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
Consult a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
irritation (nose, throat, airways)
stomach or intestinal upset (nausea, vomiting, diarrhea)
central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness)

- Risks: no data available

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment: no data available

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media: ABC powder
Carbon dioxide (CO₂)
Dry chemical
Water mist

- Unsuitable extinguishing media: Halons

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting: Do not allow run-off from firefighting to enter drains or water courses.
- Hazardous combustion products: Aldehydes
carbon dioxide and carbon monoxide
Hydrocarbons
sulfur compounds

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5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information:

Keep containers and surroundings cool with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

no data available

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapours or spray mist. For personal protection see section 8. Provide sufficient air exchange and/or exhaust in work rooms. Avoid exceeding of the given occupational exposure limits (see section 8). Smoking, eating and drinking should be prohibited in the application area. Ensure all equipment is electrically grounded and bonded before beginning transfer operations.

Advice on protection against fire and explosion: Take measures to prevent the build up of electrostatic charge. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Keep product and empty container away from heat and sources of ignition. No sparking tools should be used. Avoid formation of aerosol.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store in original container. Keep containers tightly closed in a dry, cool and well ventilated place.

German storage class: 3 Flammable Liquids

Other data : Stable under recommended storage conditions.

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SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Components	Value type	Control parameters	Update	Basis
Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics	TWA	1.200 mg/m ³		SUPLR EXP
Further information: as total hydrocarbons				
Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics	MAK	50 ppm 300 mg/m ³	2009	DFG MAK

8.2 Exposure controls

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Wear resistant gloves such as: Nitrile rubber, neoprene gloves

Eye protection: Safety glasses with side-shields

Skin and body protection: Wear as appropriate:

Safety shoes

Flame-resistant clothing

Hygiene measures: Keep away from food, drink and animal feedingstuffs.

When using do not eat, drink or smoke.

Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls

General advice: Prevent further leakage or spillage if safe to do so.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	viscous; liquid
Colour:	amber
Odour:	oily
Odour Threshold:	no data available
pH:	not applicable
Freezing point / Melting point:	< -20 °C
Boiling point:	> 140 °C
Flash point:	40 °C; Pensky Martens closed cup
Evaporation rate:	0,11
Flammability (solid, gas):	no data available
Burning rate:	no data available
Lower explosion limit:	0 %(V)
Upper explosion limit:	7 %(V)
Vapour pressure:	13 hPa; 20 °C
Relative vapor density:	> 1
Relative density:	0,87; 20 °C
Density:	0,87 g/cm ³ ; 20 °C
Water solubility:	partly miscible
Solubility in other solvents:	no data available

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Partition coefficient: n-ctanol/water:	no data available
Auto-ignition temperature:	> 200 °C
Ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	650 mPa.s; 20 °C
Viscosity, kinematic:	> 40 mm ² /s; 40 °C
Explosive properties:	no data available
Oxidizing properties:	no data available

9.2 Other information

Bulk density : no data available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous polymerisation does not occur.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Further information: Stable under recommended storage conditions.
: Hazardous polymerisation does not occur.
Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid: Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products: carbon dioxide and carbon monoxide
Hydrocarbons
sulfur compounds

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

Acute oral toxicity:	no data available
Acute inhalation toxicity:	no data available
Acute dermal toxicity:	no data available
Acute toxicity (other routes of administration):	no data available
Skin corrosion/irritation:	no data available
Serious eye damage/eye irritation:	no data available
Respiratory or skin sensitization:	no data available

Components:

Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics :

Acute oral toxicity:	LD 50: > 5.000 mg/kg, Rat
Acute inhalation toxicity:	LC 50: > 5 mg/l, 4 h, Rat, OECD Test Guideline 403
Acute dermal toxicity:	LD 50: > 5.000 mg/kg, Rat, OECD Test Guideline 402

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SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

no data available

Components:

Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics:

Toxicity to fish: LC 50: > 1.000 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout),
OECD Test Guideline 203

Toxicity to daphnia and other
aquatic invertebrates:

EC0: 1.000 mg/l, 48 h, Water flea (Daphnia magna), OECD
Test Guideline 202

12.2 Persistence and degradability

Product:

no data available

Components:

Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics :

Biodegradability: Expected to be biodegradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation: The bioaccumulation potential cannot be determined.

Components:

no data available

12.4 Mobility in soil

Product:

no data available

Components:

no data available

12.5 Results of PBT and vPvB assessment

Product:

no data available

Components:

no data available

12.6 Other adverse effects

Product:

no data available

Components:

no data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on
waste and hazardous waste.
: Do not contaminate ponds, waterways or ditches with
chemical or used container.
Container hazardous when empty.
Dispose of in accordance with local regulations.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste
handling site for recycling or disposal.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

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SECTION 14 TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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ADR

UN 1139 COATING SOLUTION 3 III

ADNR

UN 1139 COATING SOLUTION 3 III

RID

UN 1139 COATING SOLUTION 3 III

INTERNATIONAL MARITIME DANGEROUS GOODS

UN 1139 COATING SOLUTION 3 III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN 1139 Coating solution 3 III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN 1139 Coating solution 3 III

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15 REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

DIMETHYLBENZYL HYDROPEROXIDE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

SECTION 16 OTHER INFORMATION

Estimated NFPA Rating:

HEALTH 1, FLAMMABILITY 1, INSTABILITY 1

Estimated HMIS Classification:

HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Number:

2

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03/14/2005

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