



SAFETY DATA SHEET

Pencool 3000

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Pencool 3000
Revision Date: 01/30/06
MDS Number: 3000
Common Name: AN AQUEOUS SOLUTION OF NITRATES, NITRATES AND SODIUM TETRABORATE

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

Chemical Name	CAS Number	Percent weight
Sodium Nitrate	7632-00-0	3-8%
Sodium Metasilicate	6834-92-0	2-7%
Sodium Tetraborate	1330-43-4	2-6%
Sodium Nitrate	7631-99-4	1-3%
Sodium Hydroxide	1310-73-2	1-3%
Water	7732-18-5	>80%

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Route of entry: Skin Contact, Skin adsorption, inhalation, eye contact, ingestion
Target organs: Lungs, Reproductive Organa, Skin, Eyes, Gastrointestinal
Inhalation: Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over- exposure to vapour or skin exposure. Breathing product may irritate the nose throat and may cause coughing and chest discomfort.
Skin contact: Prolonged or repeated exposures can irritate or burn skin. Reaction may be more severe if there is a skin abrasion(s). Allergic sensitization in susceptible individuals is possible.
Eye contact: Severely irritating, if not removed promptly, will injure eye tissue which may result in permanent damage.
Ingestion: Irritating to mouth, throat and stomach. May cause discomfort, nausea, vomiting and diarrhoea.

Carcinogenicity:

Product is not considered a carcinogen by OSHA, NTO or IARC.

Medical conditions:

Pre-existing eye or skin conditions may be aggravated by over- exposure to this product.

SECTION 4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing give artificial respiration. Seek medical attention. Inhalation hazard unlikely due to low volatility of product.
Skin contact: Wash area with soap and water. Remove contaminated clothing. Seek medical attention of irritation persists.
Eye contact: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.
Ingestion: Induce vomiting. Only give conscious victim two glasses of water and seek medical attention. Never give unconscious anything by mouth.



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SECTION 5 FIRE FIGHTING MEASURES

Flash Point: N/A
Product will not support combustion

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill/leak procedures: Notify safety personnel evacuate all unnecessary personnel and provide adequate ventilation. If feasible and without risk, clean-up personnel should stop leak. All clean up personnel should wear proper protective equipment.

Small spills: Clean with inert absorbent and place in recovery drums for disposal.

Larger spills: Dike to prevent further migration of material. Do not release into waterways or sewers. Follow applicable federal and state regulations.

SECTION 7 HANDLING AND STORAGE

Handling Precautions: Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Do not smoke while using this product. Do not use near excessive heat, sparks or open flame.

Storage Requirements: Store in clean, dry locations away from excessive heat

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Eye wash station and safety shower

Strong general ventilation or local exhaust

Protective Equipment: Eye: Chemical splash goggles with indirect or no ventilation

Skin: Chemical resistant gloves such as nitrile

Respiratory: Organic vapour air purifying respirator if vapours are a nuisance or if the concentrations are above PEL or TLV. Never eat, drink or smoke in the work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red liquid	Boiling Point:	BT 212-215 F
Physical State:	Liquid	Freezing/Melting Point:	
Odor:	None	Solubility:	Completely
pH:	12	Spec Grav./ Density:	1.09
Vapor Pressure:			
Vapor Density:	>1		

SECTION 10 STABILITY AND REACTIVITY

Stability:	Material is stable
Conditions to avoid:	Excessive heat and open flame
Materials to avoid (incompatibility):	Strong oxidizing agents and reducing agents
Hazardous Decomposition products:	Carbon monoxide and Carbon Dioxide
Hazardous Polymerization:	Cannot occur

SECTION 11 TOXICOLOGICAL INFORMATION

LD50

Sodium Nitrite:	120 mg/kg (oral)
Sodium Nitrate:	4300 mg/kg (oral)
Sodium Tetra borate:	3200 mg/kg (oral)

SECTION 12 ECOLOGICAL INFORMATION

No data



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SECTION 13 DISPOSAL CONSIDERATIONS

As a waste, this product in its raw form does not meet the criteria of a hazardous waste as defined by RCRA (40CFR261). Dispose of in accordance with all applicable state, federal and local regulations.

SECTION 14 TRANSPORT INFORMATION

Domestic: Not regulated
Export: Not regulated

SECTION 15 REGULATORY INFORMATION

U.S. Federal regulations
OSHA: Considered to be a hazardous material as defined by 29CFR1910.1200

EPA SARA TITLE III
Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n): IMMEDIATE (acute) HEALTH HAZARD

Section 313 (40CFR372) This product does not contains ingredients which are subject to the reporting requirements of SARA 313

SECTION 16 OTHER INFORMATION

CALIFORNIA PROPOSTION 65: This product does not contain ingredients which are on the current Proposition 65 list.

New Jersey right to know: This product contains following ingredients which are nonhazardous bur are among the top five ingredients in this product:

---CAS#-----

7732-18-5: Water

7631-99-4: Sodium Nitrate

7631-00-0: Sodium Nitrate

1330-43-4: Sodium Tetraborate

Notes:

NG= Not given

BT= Between

<= Less than

>= Greater than

User responsibility; This MSDS provides environmental, health and safety information. This product is to be used in applications consistent with our product literature and container label. Individuals handling this product should be informed to the recommended safety precautions and have access to this MSDS. Please content your local sales representative at our EH&S department for further information.