SAFETY DATA SHEET
ENZAIR SCREWSHIELD PRO

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name ENZAIR SCREWSHIELD PRO

Product number 728E4001 / 728E4005 / 7284025 / CO46

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

Identified uses Compressor oil for cooling and lubricants screw compressors

1.3. Details of the supplier of the safety data sheet

Supplier
ENZAIR COMPRESSION SYSTEMS LTD
74 BARLEY GATE
BEVERLEY
HU17 5NU
parts@enzair.co.uk

Manufacturer
WITHAM OIL AND PAINT LTD
OUTER CIRCLE ROAD
LINCOLN
LN2 4HL
01522 521192
01522 537030
01522 560228
enquires@withamgroup.co.uk

1.4. Emergency telephone number

Emergency telephone (01522) 521192 Monday to Thursday 8.00am to 5.00pm, Friday 8.00am to 4.30pm.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) -

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

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No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

NON CLASSIFIED COMPONENT **30-60%**

CAS number: —

Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

LUBRICATING OILS;BASEOIL - UNSPECIFIED **30-60%**

CAS number: 74869-22-0 EC number: 278-012-2

Classification

Not Classified

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC; BASEOIL **30-60%**

CAS number: 64742-65-0 EC number: 265-169-7

Classification

Not Classified

Reaction products of Benzeneamine, N-phenyl- with nonene(branched) **<1%**

CAS number: 36878-20-3 EC number: 253-249-4

Classification	Classification (67/548/EEC or 1999/45/EC)
Aquatic Chronic 4 - H413	R53

Isooctadecanoic acid, reaction products with tetraethylenepentamine **<1%**

CAS number: 68784-17-8 EC number: 272-225-4

Classification

Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

METHYL-1H BENZOTRIAZOLE **<1%**

CAS number: 29385-43-1 EC number: 249-596-6

Classification

Acute Tox. 4 - H302
Eye Irrit. 2 - H319

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DIPHENYLAMINE		**<1%**
CAS number: 122-39-4	EC number: 204-539-4	
M factor (Acute) = 1	M factor (Chronic) = 1	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	T;R23/24/25 R33 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination.

Inhalation Remove affected person from source of contamination. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing stops, provide artificial respiration.

Ingestion Get medical attention. Do not induce vomiting.

Skin contact Wash skin thoroughly with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion Harmful: May cause lung damage if swallowed.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact Irritation of eyes and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

Hazardous combustion products Fire creates: Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Aldehydes, Sulphur oxides, Incomplete combustion products, Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Protective actions during firefighting Evacuate area. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be earthed.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions The container choice, for example storage vessel, may effect static accumulation and dissipation. Store in closed original container at temperatures between 5°C and 25°C.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description AVOID CONTACT WITH SKIN AND EYES.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ mist
Short-term exposure limit (15-minute): WEL 10 mg/m³ mist

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC; BASEOIL

Long-term exposure limit (8-hour TWA): WEL 5.0 mg/m3 5.0 mg/m³ inhalable fraction, mist

DIPHENYLAMINE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³
Short-term exposure limit (15-minute): WEL 20 mg/m³
WEL = Workplace Exposure Limit

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC; BASEOIL (CAS: 64742-65-0)

DNEL

Workers - Inhalation; local effects: 5.4 mg/m³
Consumer - Inhalation; local effects: 1.2 mg/m³

Reaction products of Benzeneamine, N-phenyl- with nonene(branched) (CAS: 36878-20-3)

DNEL

Workers - Dermal; Long term systemic effects: 0.62 mg/kg
Workers - Inhalation; Long term systemic effects: 4.37 mg/m³
Consumer - Dermal; Long term systemic effects: 0.31 mg/kg
Consumer - Inhalation; Long term systemic effects: 1.09 mg/m³
Consumer - Oral; Long term systemic effects: 0.31 mg/kg

PNEC

- Fresh water; 0.10 mg/l
- Marine water; 0.01 mg/l
- Sediment (Freshwater); 132000 mg/kg
- Sediment (Marinewater); 13200 mg/kg
- Soil; 263000 mg/kg

8.2. Exposure controls

Protective equipment

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Hygiene measures

Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke. Discard contaminated shoes and clothing.

Respiratory protection

No special requirements under ordinary conditions of use and with adequate ventilation. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

Environmental exposure controls

Comply with applicable enivronmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and Chemical Properties

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9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Brownish.
Odour	Slight.
Flash point	> 200°C PMCC (Pensky-Martens closed cup).
Vapour pressure	<0.1 mm Hg @ 20°C
Solubility(ies)	Insoluble in water.
Viscosity	42-50 cSt @ 40°C

9.2. Other information

Other information	DMSO Extract(mineral oil only), IP-346: < 3% wt.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See sub sections below.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	Excessive heat. High energy sources of ignition.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Aspiration hazard

Aspiration hazard	Pneumonia may be the result if vomited material containing solvents reaches the lungs.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity	Material not expected to be harmful to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability	Material- expected to be inherently biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

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Mobility The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

Waste class European waste code: 13 02 05

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not classified as dangerous goods for transport.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not determined

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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National regulations	EH40/2005 Workplace exposure limits. Health and Safety at Work etc. Act 1974 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Technical manager
Revision date	08/12/2015
SDS number	20534
Hazard statements in full	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H331 Toxic if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.