
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: METAGRIND LP
- UFI:
- Product Part Number: AFM

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

- Use of the substance/mixture: Metal working fluid

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Pennine Lubricants Ltd
- Address of Supplier: 32 Atlas Way,
Sheffield
S4 7QQ
- Telephone: 0114 285 2987
- Responsible Person: Admin@penninelubricants.co.uk
- Email: Admin@penninelubricants.co.uk

1.4 Emergency telephone number

- Emergency Telephone: 0114 285 2987 (9am -5pm)
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Aquatic Chronic 3, Asp. Tox. 1

2.2 Label elements**GHS08**

- Signal Word: Danger

2.2.1 Hazard statements

- H304 - May be fatal if swallowed and enters airways.
- H412 - Harmful to aquatic life with long lasting effects.

2.2.2 Precautionary statements

- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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SECTION 2: Hazards identification (....)

P331 - Do NOT induce vomiting.
P273 - Avoid release to the environment.
P501 - Dispose of contents/container to
P405 - Store locked up.

2.3 Other hazards

SECTION 3: Composition/information on ingredients**3.2 Mixtures****3.2.1 2,2'-(octodec-9-enylimino) bisethanol**

CAS Number: 25307-17-9
EC Number: 246-807-3
Concentration: <0.5%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1
REACH Registration Number: 01-2119510876-35
Symbols: GHS05;GHS09;GHS07
H Statements: H302;H314;H410;H400

3.2.2 1,3-propanediamine, n-9-octa-decenyl-,(z)-

CAS Number: 7173-62-8
EC Number: 230-528-9
Concentration: <0.1%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Corr. 1B, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1

3.2.3 N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

CAS Number: 110-25-8
EC Number: 203-749-3
Concentration: <0.1%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3
REACH Registration Number: 01-2119488991-20-XXXX
Symbols: GHS05;GHS09;GHS07

SECTION 3: Composition/information on ingredients (....)

H Statements: H332;H315;H318;H412;H400

3.2.4 1H-benzotriazole

CAS Number: 95-14-7
EC Number: 202-394-1
Concentration: <0.01%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Eye Irrit. 2, Aquatic Chronic 2
REACH Registration Number: 01-2119979079-20-XXXX
Symbols: GHS09;GHS07
H Statements: H302;H319;H411

3.2.5 butylated triphenyl phosphate

CAS Number: 68937-40-6
EC Number: 273-065-8
Concentration: <0.05%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Aquatic Chronic 3
H Statements: H412

3.2.6 octylated diphenylamines

CAS Number: 68411-46-1
EC Number: 270-128-1
Concentration: <0.1%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Repr. 2, Aquatic Chronic 3
REACH Registration Number: 01-2119491299-23-XXXX
Symbols: GHS08
H Statements: H361;H412

3.2.7 diphenylamine

CAS Number: 122-39-4
EC Number: 204-539-4
Concentration: <0.005%
Specific Concentration Limits:
M factor: 1;1
Acute toxicity estimate:
Categories: Acute Tox. 3, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1

SECTION 3: Composition/information on ingredients (....)

Symbols:	GHS06;GHS08;GHS09
H Statements:	H331;H311;H301;H373;H400;H410
M factor, acute:	1
M factor, chronic:	1

SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Contact with eyes**

If substance has got into eyes, immediately wash out with plenty of water

If eye irritation persists: Get medical advice/attention.

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes

4.1.2 Contact with skin

Wash affected area with plenty of soap and water

4.1.3 Ingestion

Do not induce vomiting

Rinse mouth with water (do not swallow)

Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

Give plenty of water to drink

Never give anything by mouth to an unconscious person

4.1.4 Inhalation

Remove patient to fresh air

4.2 Most important symptoms and effects, both acute and delayed**4.2.1 Contact with eyes**

May cause irritation

4.2.2 Contact with skin

Possible irritation of affected areas

4.2.3 Ingestion

The ingestion of significant quantities may cause nausea/vomiting

4.2.4 Inhalation

May cause coughing

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures**5.1 Extinguishing media**

SECTION 5: Firefighting measures (....)

- In case of fire use foam, carbon dioxide or dry agent - never use water
- Do not use water

5.2 Special hazards arising from the substance or mixture

- See Section 8

5.3 Advice for firefighters

- See Section 8
- Combustible

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Spillage causes slippery surface

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

6.4 Reference to other sections

- See Section

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Store locked up.

7.3 Specific end use(s)

- See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

DNEL (Industry; dermal, short term systemic effects): 20 mg/kg

DNEL (Industry; inhalational, short term local effects): 0.8 mg/kg bw/day

DNEL (Industry; inhalational, short term systemic effects): 10 mg/kg

8.1.2 1H-benzotriazole

DNEL (Industry; dermal, short term systemic effects): 1.08 mg/kg bw/day

DNEL (Industry; inhalational, short term local effects): Inhalation 19 mg/m³

8.1.3 butylated triphenyl phosphate

SECTION 8: Exposure controls/personal protection (....)

DNEL (Industry; dermal, short term systemic effects): 10.75 mg/kg bw/day

DNEL (Industry; inhalational, short term local effects): 7.58 mg/m³DNEL (Industry; inhalational, short term systemic effects): 1.87 mg/m³**8.1.4 octylated diphenylamines**

DNEL (Industry; dermal, short term systemic effects): 0.08 mg/kg bw/day

DNEL (Industry; inhalational, short term local effects): 0.6 mg/m³**8.1.5 diphenylamine**WEL: 10 mg/m³ (UK)**8.2 Exposure controls****Gloves****Goggles**

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: Liquid
- Colour: Straw
- Odour: Perceptible odour
- Melting point/Range:
- Boiling Point/Range:
- Flammability:
- pH:
- Solubility in water: Immiscible with water
- Density: 0.87 g/cm³ at 15 °C
- Flashpoint: >93°C

9.2 Other information

SECTION 10: Stability and reactivity**10.1 Reactivity**

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Incompatible with acids and alkalis

10.4 Conditions to avoid

- Avoid contact with alkalis (strong bases)

SECTION 10: Stability and reactivity (....)

- Avoid contact with acid
- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
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SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****11.1.1 Acute toxicity**

Estimated LD₅₀ (oral) (ATE) : >2000 mg/kg
Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg
Estimated LC₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

11.1.1.1 N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

LD₅₀ (oral, rat): > 5000 mg/kg

11.1.1.2 1H-benzotriazole

LD₅₀ (dermal, rabbit): >10000 mg/kg
LD₅₀ (oral, rat): 1400 mg/m3/4h

11.1.1.3 butylated triphenyl phosphate

LD₅₀ (oral, rat): >5000 mg/kg

11.1.1.4 octylated diphenylamines

LD₅₀ (dermal, rabbit): >2000 mg/kg[
LD₅₀ (oral, rat): 7580 mg/kg[

11.1.1.5 diphenylamine

LD₅₀ (oral, rat): 1120 mg/kg[

11.1.2 Skin corrosion/irritation

Not classified

11.1.3 Serious eye damage/irritation

Not classified

11.1.4 Respiratory or skin sensitisation

Not classified

11.1.5 Germ cell mutagenicity

Not classified

11.1.6 Carcinogenicity

SECTION 11: Toxicological information (....)

Not classified

11.1.7 Reproductive toxicity

Not classified

11.1.8 STOT (specific target organ toxicity) - single exposure

11.1.9 STOT (specific target organ toxicity) - repeated exposure

Not classified

11.1.10 Aspiration hazard

Aspiration hazard

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.1.1 2,2'-(octadec-9-enylimino) bisethanol

LC₅₀ (fish): 0.1 mg/l (96 hr)

12.1.2 1,3-propanediamine, n-9-octa-decenyl-,(z)-

LC₅₀ (fish): 0.148 mg/l (96 hr)

12.1.3 N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

LC₅₀ (fish): >0.43 mg/l (96 hr)

EC₅₀ (daphnia): 0.43 mg/l (48 hr)

12.1.4 1H-benzotriazole

LC₅₀ (fish): 25 mg/l (96 hr)

EC₅₀ (daphnia): 29 mg/l (72 hr)

12.1.5 octylated diphenylamines

LC₅₀ (fish): 5.1 mg/l (96 hr)

EC₅₀ (daphnia): >100 mg/l (72 hr)

12.1.6 diphenylamine

LC₅₀ (fish): 2.088-3.596 mg/l (96 hr)

EC₅₀ (daphnia): 0.048 mg/l (72 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

SECTION 12: Ecological information (....)

12.4 Mobility in soil

- Insoluble in water
- immiscible with water

12.5 Results of PBT and vPvB assessment

12.6 Endocrine disrupting properties

- Not classified

12.7 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Waste codes: 12 01 06
 - Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - For industrial use only
 - Dispose of contents/container to an authorised waste collection point
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not classified

14.6 Special precautions for user

- Not classified
- Tunnel Bulk Restriction Codes: D

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

SECTION 15: Regulatory information (....)

- Water Hazard Class (Official): Not hazardous

15.1.1 2,2'-(octodec-9-enylimino) bisethanol

Water Hazard Class (Official): Not hazardous

15.1.2 1,3-propanediamine, n-9-octa-decenyl-,(z)-

Water Hazard Class (Official): Not hazardous

15.1.3 N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

Water Hazard Class (Official): Not hazardous

15.1.4 1H-benzotriazole

Water Hazard Class (Official): Not hazardous

15.1.5 butylated triphenyl phosphate

Water Hazard Class (Official): Not hazardous

15.1.6 octylated diphenylamines

Water Hazard Class (Official): Not hazardous

15.1.7 diphenylamine

Water Hazard Class (Official): 3

15.2 Chemical safety assessment

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-

H301: Toxic if swallowed. H302: Harmful if swallowed. H311: Toxic in contact with skin. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H331: Toxic if inhaled. H332: Harmful if inhaled. H361: Suspected of damaging fertility or the unborn child. 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. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.

--- end of safety datasheet ---
