
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 GL
- UFI:
- Product Part Number: AG1

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: Asp. Tox. 1, Acute Tox. 4, Aquatic Chronic 3

2.2 Label elements**GHS08****GHS07**

- Signal Word: Danger

2.2.1 Hazard statements

- H304 - May be fatal if swallowed and enters airways.
- H332 - Harmful if inhaled.
- H413 - May cause long lasting harmful effects to aquatic life.

2.2.2 Precautionary statements

- P102 - Keep out of reach of children.
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 - Use only outdoors or in a well-ventilated area.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for

SECTION 2: Hazards identification (....)

breathing.

P312 - Call a POISON CENTRE or doctor if you feel unwell.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 - Do NOT induce vomiting.

2.3 Other hazards

- Contains: Dec-1-ene, dimers, hydrogenated
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SECTION 3: Composition/information on ingredients**3.2 Mixtures****3.2.1 N-methyl-N-[C18-(unsaturated)alkanoyl]glycine**

CAS Number: 110-25-8

EC Number: 203-749-3

Concentration: 0.04 - 0.08%

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

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

3.2.2 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

3.2.3 butylated triphenyl phosphate

CAS Number: 68937-40-6

EC Number: 273-065-8

Concentration: 0.02 - 0.04%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Aquatic Chronic 3

H Statements: H412

3.2.4 octylated diphenylamines

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

CAS Number: 68411-46-1
EC Number: 270-128-1
Concentration: 0.04 - 0.08%
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

3.2.5 diphenylamine

CAS Number: 122-39-4
EC Number: 204-539-4
Concentration: 0%
Specific Concentration Limits:
M factor: 1;1
Acute toxicity estimate:
Categories: Acute Tox. 3, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1
Symbols: GHS06;GHS08;GHS09
H Statements: H331;H311;H301;H373;H400;H410
M factor, acute: 1
M factor, chronic: 1

3.2.6 2,2'-(octadec-9-enylimino) bisethanol

CAS Number: 25307-17-9
EC Number: 246-807-3
Concentration: 0.3 - 0.32%
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

3.2.7 1,3-propanediamine, n-9-octa-decenyl-,(z)-

CAS Number: 7173-62-8
EC Number: 230-528-9
Concentration: 0.05 - 0.06%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Corr. 1B, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1

SECTION 3: Composition/information on ingredients (....)**3.2.8 Dec-1-ene, dimers, hydrogenated**

CAS Number: 68649-11-6
EC Number:
Concentration: >90%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Asp. Tox. 1
Symbols: GHS07
H Statements: H332;H304

3.2.9 1-DECENE, DIMERS, HYDROGENATED

REACH Registration Number: 01-2119537268-33

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.

4.1.2 Contact with skin

Wash affected area with plenty of soap and water
Call a POISON CENTRE or doctor if you feel unwell.

4.1.3 Ingestion

Do not induce vomiting
Rinse mouth with water (do not swallow)
Do NOT induce vomiting.
Call a POISON CENTRE or doctor if you feel unwell.
Rinse mouth.

4.1.4 Inhalation

Remove patient to fresh air
Call a POISON CENTRE or doctor if you feel unwell.

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

Can cause damage to the lungs
May cause coughing

SECTION 4: First aid measures (....)

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use foam, carbon dioxide or dry agent - never use water

5.2 Special hazards arising from the substance or mixture

- See Section 8

5.3 Advice for firefighters

- See Section 8
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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

- Call a POISON CENTRE or doctor if you feel unwell.
- 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
 - See Section 8
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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

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

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

DNEL (Industry; dermal, short term systemic effects): 10.75 mg/kg bw/day
DNEL (Industry; inhalational, short term local effects): 7.58 mg/m³
DNEL (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)

8.1.6 Dec-1-ene, dimers, hydrogenated

WEL: 1 mg/m³ (Aerosols TWA)

8.2 Exposure controls**Gloves****Goggles**

- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask

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

- Physical state: Liquid
- Colour: Colourless to yellow
- Odour: Characteristic odour
- Melting point/Range:
- Boiling Point/Range:
- Flammability:
- pH:
- Solubility in water: Immiscible with water
- Density: 0.81 g/cm³ at 15 °C
- Flashpoint: 160°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

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

- Incompatible with acids and alkalis

10.4 Conditions to avoid

- Avoid contact with alkalis (strong bases)
- 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) : 11.55001 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[

11.1.1.6 1-DECENE, DIMERS, HYDROGENATED

LD₅₀ (oral, rat): >5000

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

SECTION 11: Toxicological information (....)**11.1.6 Carcinogenicity**

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 N-methyl-N-[C18-(unsaturated)alkanoyl]glycineLC₅₀ (fish): >0.43 mg/l (96 hr)EC₅₀ (daphnia): 0.43 mg/l (48 hr)**12.1.2 1H-benzotriazole**LC₅₀ (fish): 25 mg/l (96 hr)EC₅₀ (daphnia): 29 mg/l (72 hr)**12.1.3 octylated diphenylamines**LC₅₀ (fish): 5.1 mg/l (96 hr)EC₅₀ (daphnia): >100 mg/l (72 hr)**12.1.4 diphenylamine**LC₅₀ (fish): 2.088-3.596 mg/l (96 hr)EC₅₀ (daphnia): 0.048 mg/l (72 hr)**12.1.5 2,2'-(octadec-9-enylimino) bisethanol**LC₅₀ (fish): 0.1 mg/l (96 hr)**12.1.6 1,3-propanediamine, n-9-octa-decenyl-,(z)-**LC₅₀ (fish): 0.148 mg/l (96 hr)**12.2 Persistence and degradability**

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

SECTION 12: Ecological information (....)

- 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 07
 - 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

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

- Water Hazard Class (Company): Not hazardous

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

Water Hazard Class (Official): Not hazardous

SECTION 15: Regulatory information (....)

15.1.2 1H-benzotriazole

Water Hazard Class (Official): Not hazardous

15.1.3 butylated triphenyl phosphate

Water Hazard Class (Official): Not hazardous

15.1.4 octylated diphenylamines

Water Hazard Class (Official): Not hazardous

15.1.5 diphenylamine

Water Hazard Class (Official): 3

15.1.6 2,2'-(octadec-9-enylimino) bisethanol

Water Hazard Class (Official): Not hazardous

15.1.7 1,3-propanediamine, n-9-octa-decenyl-,(z)-

Water Hazard Class (Official): Not hazardous

15.1.8 Dec-1-ene, dimers, hydrogenated

Water Hazard Class (Official): Not hazardous

15.1.9 1-DECENE, DIMERS, HYDROGENATED

Water Hazard Class (Official): Not hazardous

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. H304: May be fatal if swallowed and enters airways. 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 ---
