SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: ULTRASOL X-2102
- UFI:
- Product Part Number: AXT

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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3

2.2 Label elements

GHS05

- Signal Word: Danger

2.2.1 Hazard statements

H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

2.2.2 Precautionary statements

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.
P501 - Dispose of contents/container to an authorised waste collection point
P337+P313 - If eye irritation persists: Get medical advice/attention.

SECTION 2: Hazards identification (....)

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

- Contains: 2,2'-iminodiethanol; diethanolamine
  Polycarboxylic acid neutralised with alkyltriamine

SECTION 3: Composition/information on ingredients

3.2 Mixtures

3.2.1 2-phenoxyethanol

CAS Number:	122-99-6
EC Number:	204-589-7
Concentration:	<5%
Specific Concentration Limits:	
M factor:	
Acute toxicity estimate:	
Categories:	Acute Tox. 4, Eye Irrit. 2
Symbols:	GHS07
H Statements:	H302;H319

3.2.2 2,2'-iminodiethanol; diethanolamine

CAS Number:	111-42-2
EC Number:	203-868-0
Concentration:	<5%
Specific Concentration Limits:	
M factor:	
Acute toxicity estimate:	
Categories:	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT RE 2
Symbols:	GHS08;GHS05;GHS07
H Statements:	H302;H373;H315;H318

3.2.3 ALKYLETHER CARBOXYLIC ACID NEUTRALISED

CAS Number:	
EC Number:	
Concentration:	<5%
Specific Concentration Limits:	
M factor:	
Acute toxicity estimate:	
Categories:	Skin Irrit. 2, Eye Irrit. 2
Symbols:	GHS07
H Statements:	H315;H319
REACH Registration Number:	POLYMER

3.2.4 Sulfonic acids, petroleum, sodium salts

CAS Number:	68608-26-4

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

EC Number: 271-781-5
Concentration: <5%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Eye Irrit. 2
Symbols: GHS07
H Statements: H319
REACH Registration Number: 01-2119527859-22

3.2.5 Distilled tall oil neutralised with alkyltriamine

CAS Number:
EC Number:
Concentration: <5%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
Symbols: GHS05;GHS07
H Statements: H312;H315;H318;H412

3.2.6 Polycarboxylic acid neutralised with alkyltriamine

CAS Number:
EC Number:
Concentration: <5%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
Symbols: GHS05;GHS07
H Statements: H312;H315;H318;H412

3.2.7 Phosphate ester neutralised with alkyltriamine

CAS Number:
EC Number:
Concentration: <2%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
Symbols: GHS05;GHS07
H Statements: H302;H315;H318;H412

3.2.8 Alcohols, C9-11, ethoxylated

CAS Number: 68439-46-3
EC Number: Polymer
Concentration: <2%

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

Specific Concentration Limits:	
M factor:	
Acute toxicity estimate:	
Categories:	Eye Dam. 1
Symbols:	GHS05
H Statements:	H318
REACH Registration Number:	Polymer

3.2.9 Alcohols, C11-14-iso-, C13-rich

CAS Number:	68526-86-3
EC Number:	271-235-6
Concentration:	<2%
Specific Concentration Limits:	
M factor:	
Acute toxicity estimate:	
Categories:	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 2
Symbols:	GHS09;GHS07
H Statements:	H315;H411;H400
REACH Registration Number:	01-2119454259-32

3.2.10 1H-benzotriazole

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

3.2.11 PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT

CAS Number:	3811-73-2
EC Number:	223-296-5
Concentration:	<0.1%
Specific Concentration Limits:	
M factor:	100;10
Acute toxicity estimate:	
Categories:	Acute Tox. 4, Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 2
Symbols:	GHS06
H Statements:	H332;H301;H312
M factor, acute:	100
M factor, chronic:	10

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

4.1.2 Contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
If skin irritation occurs: Get medical advice/attention.

4.1.3 Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
When in doubt or symptoms persist, seek medical attention

4.1.4 Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If you feel unwell, seek medical advice (show the label where possible)

4.2 Most important symptoms and effects, both acute and delayed

- Possible irritation of affected areas
- Risk of serious damage to eyes
- The ingestion of significant quantities may cause nausea/vomiting

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash with plenty of soap and water.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container at a temperature not exceeding 35 °C
- For industrial use only
- Protect from frost

7.3 Specific end use(s)

- See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 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

8.2 Exposure controls

Boots **Gloves** **Goggles**

- Wear suitable gloves and eye/face protection

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Amber
- Odour: Characteristic odour
- Melting point/Range:
- Boiling Point/Range:
- Flammability:
- pH: 9.5 at 5 % concentration
- Solubility in water: Emulsifies in water
- Density: 1.0 g/cm³ at 15 °C
- Flashpoint: >93°C

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

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

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special precautions are required for this product

10.5 Incompatible materials

- Incompatible with acids and alkalis

10.6 Hazardous decomposition products

- No hazardous decomposition products known

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Acute toxicity

Estimated LD_{50} (oral) (ATE) : 7812.5 mg/kg
Estimated LD_{50} (dermal) (ATE) : 24444.45 mg/kg
Estimated LD_{50} (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

11.1.1.1 1H-benzotriazole

LD_{50} (dermal, rabbit): >10000 mg/kg
LD_{50} (oral, rat): 1400 mg/m3/4h

11.1.2 Skin corrosion/irritation

May cause redness and irritation

11.1.3 Serious eye damage/irritation

Can cause damage to the eyes

11.1.4 Respiratory or skin sensitisation

Not classified

11.1.5 Germ cell mutagenicity

Not classified

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

11.1.10 Aspiration hazard

SECTION 11: Toxicological information (....)

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

12.1.1 1H-benzotriazole

LC_{50} (fish): 25 mg/l (96 hr)
EC_{50} (daphnia): 29 mg/l (72 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Emulsifies in 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

- Disposal should be in accordance with local, state or national legislation
- Do not empty into drains
- Dispose of contents/container to an authorised waste collection point

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.:

14.2 UN proper shipping name

- Proper Shipping Name:

14.3 Transport hazard class(es)

- Hazard Class:

14.4 Packing group

- Packing Group:

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Maritime transport in bulk according to IMO instruments

SECTION 14: Transport information (....)

SECTION 15: Regulatory information

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

- Water Hazard Class (Company): 1

15.1.1 2-phenoxyethanol

Water Hazard Class (Official): 1

15.1.2 2,2'-iminodiethanol; diethanolamine

Water Hazard Class (Official): 1

15.1.3 ALKYLETHER CARBOXYLIC ACID NEUTRALISED

Water Hazard Class (Official): Not hazardous

15.1.4 Sulfonic acids, petroleum, sodium salts

Water Hazard Class (Official): Not hazardous

15.1.5 Distilled tall oil neutralised with alkyltriamine

Water Hazard Class (Official): Not hazardous

15.1.6 Polycarboxylic acid neutralised with alkyltriamine

Water Hazard Class (Official): Not hazardous

15.1.7 Phosphate ester neutralised with alkyltriamine

Water Hazard Class (Official): Not hazardous

15.1.8 Alcohols, C9-11, ethoxylated

Water Hazard Class (Official): Not hazardous

15.1.9 Alcohols, C11-14-iso-, C13-rich

Water Hazard Class (Official): Not hazardous

15.1.10 1H-benzotriazole

Water Hazard Class (Official): Not hazardous

15.1.11 PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT

Water Hazard Class (Official): 2

15.2 Chemical safety assessment

- A chemical safety assessment is not required under REACH

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. H312: Harmful in contact with skin. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H332: Harmful if inhaled. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long

SECTION 16: Other information (....)

lasting effects. H412: Harmful to aquatic life with long lasting effects.

--- end of safety datasheet ---