

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

1.1. Product identifier

Product name: MULTISOL G

Product code: AGC

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

Use of substance / mixture: PC25: Metal working fluids.

1.3. Details of the supplier of the safety data sheet

Company name: Pennine Lubricants Limited
Unit 35 Limestone Cottage Lane
Sheffield
South Yorkshire
S6 1NJ
United Kingdom

Tel: 0114 285 2987

Fax: 0114 285 2988

Email: info@penninelubes.plus.com

1.4. Emergency telephone number

Emergency tel: 0114 285 2987 (Office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P264: Wash hands thoroughly after handling.

P280: Wear eye protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SODIUM SULPHONATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
271-781-5	68608-26-4	-	Eye Irrit. 2: H319	1-10%

2,2'-OXYBISETHANOL

203-872-2	111-46-6	-	Acute Tox. 4: H302	1-10%
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ISOTRIDECANOL, ETHOXYLATED

931-138-8	69011-36-5	-	Eye Dam. 1: H318; Skin Irrit. 2: H315	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: Occasional skin contact with the diluted product is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of the skin, leading to cracking and soreness.

Eye contact: There may be a potential to cause corneal injury if treatment is not prompt. There may be irritation and redness. The eyes may water profusely. Dilute emulsions are expected to cause only slight transient irritation and redness.

Ingestion: The product has a low order of acute oral toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use. There may be soreness and redness of the mouth and throat.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes and respiratory tract.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long-term exposure.

[cont...]

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Spillages may be slippery. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Bund large spills using absorbent granules, sand or earth and reclaim bulk liquid.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in dry conditions between 0 and 40C Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

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7.3. Specific end use(s)

Specific end use(s): PC25: Metal working fluids.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2,2'-OXYBISETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	101 mg/m ³	-	-	-

DNEL/PNEC Values

Hazardous ingredients:

2,2'-OXYBISETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	53mg/kg/day	Workers	-
DNEL	Inhalation	12mg/m ³	Workers	-
PNEC	Fresh water	10mg/l	-	-
PNEC	Marine water	1mg/l	-	-
PNEC	Soil (agricultural)	1.53mg/kg	-	-

ISOTRIDECANOL, ETHOXYLATED

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	0.074mg/l	-	-
PNEC	Marine water	0.0074mg/l	-	-
PNEC	Fresh water sediments	0.604mg/kg	-	-
PNEC	Marine sediments	0.0604mg/kg	-	-
PNEC	Soil (agricultural)	0.1mg/kg	-	-
DNEL	Inhalation	294mg/m ³	Workers	Systemic
DNEL	Dermal	2080mg/kg	Workers	Systemic
DNEL	Inhalation	87mg/m ³	Consumers	Systemic
DNEL	Dermal	1250mg/kg	Consumers	Systemic
DNEL	Oral	25mg/kg	Consumers	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

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Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Fluorescent

Odour: Characteristic odour

Evaporation rate: Negligible

Solubility in water: Miscible

Viscosity: Viscous

Kinematic viscosity: 100

Viscosity test method: Kinematic Viscosity at 40C (cSt)

Boiling point/range°C: >100

Flash point°C: >100

Relative density: 1.01

pH: 5% 9-9.4

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

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Hazardous ingredients:

ISOTRIDECANOL, ETHOXYLATED

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

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Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ISOTRIDECANOL, ETHOXYLATED

ALGAE	72H ErC50	>1-10	mg/l
DAPHNIA	48H EC50	>1-10	mg/l
FISH	96H LC50	>1-10	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

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12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 12 01 09

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.