SAFETY DATA SHEET

ALLOY GLEAM

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

ALLOY GLEAM

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

Cleaning Product

1.3 Details of the supplier of the data sheet

Travik Chemicals (UK) Limited
Grindon Way
Aycliffe Industrial Park
Newton Aycliffe
County Durham
DL5 6SH
United Kingdom
info@travik.co.uk
www.travik.co.uk
Tel: 01325 307000
Fax: 01325 307070

1.4 Emergency telephone number

Nearest anti-poison centre or Guy's Hospital Poisons Unit, LONDON SE14 SER. (00 44)(1 71) 6 35 91 91
During normal opening times: 01325 307000 (08.30 - 16.30)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

- Eye irritation, category 2.
- Skin irritation, category 2.

2.2 Label Elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Pictogram(s):

Signal Word (s):

- WARNING

Hazard Statement(s):

- H315 – Causes skin irritation.
- H319 – Causes serious eye irritation.

Precautionary Statement(s):

- P102 – Keep out of reach of children.
- P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statement(s):

- None.

SAFETY DATA SHEET

ALLOY GLEAM

Detergent Labelling: <5% Nonionic Surfactants. <5% Amphoteric Surfactants. <5% Phosphonates.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Component	CAS	EINECS	CLP CLASS.	%
Sodium Hydroxide	1310-73-2	215-185-5	Met. Corr. 1: H290. Skin Corr. 1A: H314.	<5%
Cocamidopropyl Betaine	61789-40-0	263-058-8	Eye Dam. 1: H318. Aquatic Chronic 3: H412.	<5%
2-Aminoethanol	141-43-5	205-483-3	Acute Tox. 4: H302. Acute Tox. 4: H312. Acute Tox. 4: H332. Skin Corr. 1A: H314. STOT SE 3: H335. Aquatic Chronic 3: H412.	<5%
2-(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	Eye Irrit. 2: H319.	<5%
Hydroxyethylidene -1,1,-diphosphonic acid, tetrasodium salt	29329-71-3	249-559-4	Acute Tox. 4: H302. Eye Irrit. 2: H319	<5%

See Section 16 for the full text of the H statements declared above.
Also Contains <0.2% dyes.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Notes to the physician:

- No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

In the event of exposure by inhalation:

- Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

In the event of splashes or contact with eyes:

- Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

In the event of splashes or contact with skin:

- Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

In the event of swallowing:

- Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision.
- Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.
- Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance.

4.3 indication of any immediate medical attention and special treatment needed

- No Data Available.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

- This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

- Aqueous liquid: does not show any particular risk in case of fire.

5.3 Advice for firefighters

- No specific fire fighting procedure given.
- Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

- Avoid any contact with the skin and eyes.
- If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters

- Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

- Collect as much as possible in a clean container for (preferable) reuse or disposal.

6.3. Methods and material for containment and cleaning up

- Flush remainder with water.

6.4. Reference to other sections

- No data available.

SECTION 7. HANDLING AND STORAGE

- Requirements relating to storage premises apply to all facilities where the mixture is handled.
- Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

- Always wash hands after handling.
- Remove and wash contaminated clothing before re-using.

Recommended equipment and procedures:

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations
- Avoid skin and eye contact with this mixture.

Prohibited equipment and procedures:

- No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

- Store between 4°C and 25°C in a dry, well ventilated place.

Storage

- Keep the container tightly closed in a dry, well-ventilated place

Packaging

- Always keep in packaging made of an identical material to the original

7.3. Specific end use(s)

- The identified uses for this product are detailed in Section 1.2.

SAFETY DATA SHEET

ALLOY GLEAM

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

Component	List	Type	Value
Sodium Hydroxide	WEL	STEL	2mg/m3
2-(2-Butoxyethoxy) ethanol	UK WEL	STEL	101.2mg/m3
2-(2-Butoxyethoxy) ethanol	UK WEL	TWA	67.5mg/m3

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

- Eye / face protection

- Use chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

- Skin Protection:

- When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. Selection of specific items such as faceshield, boots, apron, or full-body suit will depend on the task.

Hand protection

- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

- Respiratory protection

- Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: Liquid

Colour Clear, dark blue.

Odour Slight, detergent.

PH of the substance or preparation: 13.0 – 14.0

Flash point interval: not relevant.

Vapour pressure: not relevant.

Relative Density: 1.06

Water solubility: Miscible in all proportions

9.2. Other information

- No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

- No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

- This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

- No data available.

SAFETY DATA SHEET

ALLOY GLEAM

10.4. Conditions to avoid

- Active ingredient decomposes at elevated temperatures.

10. 5. Incompatible materials

- Keep away from: Strong oxidising agents, strong bases .

10.6. Hazardous decomposition products

- Decomposition products depend upon temperature, air supply and the presence of other materials.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Mixture:

- No toxicological data available for the mixture.

Skin corrosion/skin irritation:

- Causes skin irritation.

Serious damage to eyes/eye irritation:

- Causes serious eye irritation.

Respiratory or skin sensitisation:

- Not determined.

Component Toxicology:

Component	Test	Type	Value
Cocamidopropyl Betaine	Acute Oral Toxicity	LD50, Rat-Male, Female	7,900mg/kg
2-Aminoethanol	Acute Oral Toxicity	LD50, Rat-Male, Female	1089mg/kg
2-Aminoethanol	Skin Absorption	LD50, Rat	2504mg/kg
2-Aminoethanol	Inhalation	LC50, 4 h, Vapours, Rat	1.48mg/kg
2-(2-Butoxyethoxy)ethanol	Acute Oral Toxicity	LD50, Rat	4500mg/kg
Hydroxyethylidene -1,1,-diphosphonic acid, tetrasodium salt	Acute Oral Toxicity	LD50, Rat	>2,850mg/kg
Hydroxyethylidene -1,1,-diphosphonic acid, tetrasodium salt	Skin Absorption	LD50, Rat	>5000mg/kg

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Component Ecotoxicology:

Component	Test	Type	Value
Cocamidopropyl Betaine	Fish	96H LC50	2mg/l
Cocamidopropyl Betaine	Daphnia	48H EC50	6.5mg/l
Cocamidopropyl Betaine	Algae	96H EC50	1.84mg/l
2-Aminoethanol	Fish	96H LC50	349mg/l
2-Aminoethanol	Daphnia	48H EC50	65mg/l
2-Aminoethanol	Algae	72H EC50	>1000mg/l
2-(2-Butoxyethoxy)ethanol	Fish	96H LC50	>100mg/l
2-(2-Butoxyethoxy)ethanol	Daphnia	48H EC50	>100mg/l
2-(2-Butoxyethoxy)ethanol	Algae	72H EC50	>50mg/l
Hydroxyethylidene -1,1,-diphosphonic acid, tetrasodium salt	Fish	96H LC50	368mg/l
Hydroxyethylidene -1,1,-diphosphonic acid, tetrasodium salt	Daphnia	48H EC50	527mg/l
Hydroxyethylidene -1,1,-diphosphonic acid, tetrasodium salt	Algae	72H EC50	9.16mg/l

12.2. Persistence and degradability

- Readily biodegradable. Oxidises rapidly by photochemical reactions in air.
- The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

12.3. Bioaccumulative potential

- No data available.

SAFETY DATA SHEET

ALLOY GLEAM

12.4. Mobility in soil

- No data available.

12.5. Results of PBT and vPvB assessment

- No data available.

12.6. Other adverse effects

- No know significant effects or critical hazards

SECTION 13. DISPOSAL CONSIDERATIONS

- Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Waste:

- Must be disposed of in accordance with local and national regulations.

Soiled packaging:

- Dispose of as normal industrial waste. If empty containers are recycled or disposed of, the receiver must be informed about possible hazards. 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

- Particular provisions:

- No data available.

15.2. Chemical safety assessment

- No data available.

SECTION 16. OTHER INFORMATION

- Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
- It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
- The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
- To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein
- Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist

Full Text of abbreviated H Statements:

H290 – May be corrosive to metals.
H302 – Harmful if swallowed.
H312 – Harmful in contact with skin.
H314 – Causes severe skin burns and eye damage.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
H332 – Harmful if inhaled.
H335 – May cause respiratory irritation.
H412 – Harmful to aquatic life with long lasting effects.

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.