SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Material **GLY-OXIDE LIQUID**

Synonyms GLY-OXIDE LIQUID (US) * MFC 50004068 * CARBAMIDE PEROXIDE, FORMULATED PRODUCT

Company Name

GlaxoSmithKline, Corporate Environment, Health & Safety
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Brentford, Middlesex TW8 9GS UK

UK General Information:	+44-20-8047-5000
Transport Emergency (EU)	+44-1865-407333
Medical Emergency	+1-612-221-3999, Ext 221
Information and Advice:	US number, available 24 hours
	Multi-language response

GlaxoSmithKline, Corporate Environment, Health & Safety
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US General Information:	+1-888-825-5249
Transport Emergency (non EU)	+1-703-527-3887
	US number, available 24 hours
	Multi-language response

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS RN	Percentage
NON-HAZARDOUS INGREDIENTS	Unassigned	89.2
HYDROGEN PEROXIDE	7722-84-1	4
UREA	57-13-6	6.8

3. HAZARDS IDENTIFICATION

Fire and Explosion This product is classified as non-flammable.

Health Handling this product in its final form presents minimal risk from occupational exposure.
Health effects information is based on hazards of components.

Environment Dangerous for the environment. Harmful to aquatic organisms.

4. FIRST-AID MEASURES

Ingestion Never attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. If the exposed subject is fully conscious, give plenty of water to drink. Obtain medical attention.

Inhalation	Physical form suggests that risk of inhalation exposure is negligible.
Skin Contact	Using appropriate personal protective equipment, remove contaminated clothing and flush exposed area with large amounts of water. Obtain medical attention if skin reaction occurs, which may be immediate or delayed.
Eye Contact	Wash immediately with clean and gently flowing water. Continue for at least 15 minutes. Obtain medical attention.

NOTES TO HEALTH PROFESSIONALS

Medical Treatment	Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information centre.
Medical Conditions Caused or Aggravated by Exposure	None for occupational exposure.
Health Surveillance Procedures	Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local risk assessment.
Antidotes	No specific antidotes are recommended.

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards	Not expected for the product, although the packaging is combustible.
Extinguishing Media	Water, dry powder or foam extinguishers are recommended. Carbon dioxide extinguishers may be ineffective.
Special Firefighting Procedures	For single units (packages): No special requirements needed. For larger amounts (multiple packages/pallets) of product: Since toxic, corrosive or flammable vapours might be evolved from fires involving this product and associated packaging, self contained breathing apparatus and full protective equipment are recommended for firefighters. If possible, contain and collect firefighting water for later disposal.
Hazardous Combustion Products	Toxic, corrosive or flammable thermal decomposition products are expected when the product is exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective clothing and equipment consistent with the degree of hazard.
Environmental Precautions	For large spills, take precautions to prevent entry into waterways, sewers, or surface drainage systems.
Clean-up Methods	Spread an inert absorbent on the spill and place in a suitable, properly labelled container for recovery or disposal.
Decontamination Procedures	No specific decontamination or detoxification procedures have been identified for this product.

7. HANDLING AND STORAGE

HANDLING

General Requirements	No special control measures required for the normal handling of this product. Normal room ventilation is expected to be adequate for routine handling of this product.
STORAGE	Keep containers tightly closed in a cool, well ventilated area. No storage requirements necessary for occupational hazards. Follow product information storage instructions to maintain efficacy.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Other Equipment or Procedures	None required for normal handling. Wash hands and arms thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical Form	Liquid.

10. STABILITY AND REACTIVITY

Stability	This product is expected to be stable.
Conditions to Avoid	None for normal handling of this product.

11. TOXICOLOGICAL INFORMATION

Oral Toxicity	Not expected to be toxic following ingestion.
Inhalation Toxicity	Overexposure may result in irritation of the respiratory tract.
Skin Effects	Minor irritation might occur following direct contact.
Eye Effects	Minor irritation might occur following direct contact with eyes.
Target Organ Effects	No specific target organ effects have been identified.
Sensitisation	Sensitisation (allergic skin reaction) is not expected.
Genetic Toxicity	No studies have been conducted.
Carcinogenicity	No components are listed as carcinogens by GSK, IARC, NTP or US OSHA.
*** Reproductive Effects**	Not expected to produce adverse effects on fertility or development under occupational exposure conditions.
*** Other Adverse Effects**	None known for occupational exposure.

12. ECOLOGICAL INFORMATION

Summary	This product contains an active ingredient that has been tested and which may be harmful if released directly to the environment. Appropriate precautions should be taken to limit release of this mixture to the environment. Local regulations and procedures should be consulted prior to environmental release.

ECOTOXICITY

Aquatic

Microtox	Microtox is a general toxicity test which utilizes a sensitive marine photo bacteria as the test species. This mixture contains a major component(s) that is harmful to these organisms.
	EC50: 41.5 mg/l, 15 Minutes
Algal	This mixture contains a major component(s) that is toxic to algae.
	IC50: 6.9 mg/l, 72 Hours, Chlorella vulgaris, green algae
Daphnid	This mixture contains a major component(s) that is toxic to daphnids.
	EC50: 6.6 mg/l, 48 Hours, Daphnia pulex
Fish	This mixture contains a major component(s) that is harmful to some fish species tested.
	Adult Pimephales promelas, fathead minnow
	EC50: 45.4 mg/l, 96 Hours
	Adult Oncorhyncus mykiss, rainbow trout
	EC50: 88.5 mg/l, 96 Hours, Static test
	Adult Lepomis macrochirus, bluegill sunfish
	EC50: 155 mg/l, 96 Hours, Static test

MOBILITY

Solubility This mixture contains a major component(s) that for environmental fate predictions has solubility in water.

PERSISTENCE/DEGRADATION

Biodegradation The major component(s) of this mixture is not expected to persist in the environment.

BIOACCUMULATION This mixture contains a major component(s) with mobility and persistence data that suggests that the major component(s) is not likely to bioaccumulate in the food chain.

13. DISPOSAL CONSIDERATIONS

Disposal Recommendations Collect for recycling or recovery if possible. The disposal method for rejected products/returned goods must ensure that they cannot be re-sold or re-used.

Regulatory Requirements Observe all local and national regulations when disposing of this product.

14. TRANSPORT INFORMATION

The SDS should accompany all shipments for reference in the event of spillage or accidental release. Only authorised persons trained and competent in accordance with appropriate national and international regulatory requirements may prepare dangerous goods for transport.

UN Classification and Labelling

Transport Information Transportation and shipping of this product is not restricted. It has no known, significant hazards requiring special packaging or labelling for air, maritime, US or European ground transport purposes.

15. REGULATORY INFORMATION

The information included below is an overview of the major regulatory requirements. It should not be considered to be an exhaustive summary. Local regulations should be consulted for additional requirements.

*** EU Classification and Labelling**

Exempt from requirements of EU Dangerous Preparations directive - product regulated as a medicinal product, cosmetic product or medical device.

US OSHA Standard (29 CFR Part 1910.1200)

*** Classification** Exempt when packaged for sale to consumers in a retail establishment.

Other US Regulations

TSCA Status Exempt

16. OTHER INFORMATION

References GSK Hazard Determination

Date Approved/Revised 27-Jul-2005 **SDS Version Number** 2

SDS Sections Updated

Sections	Subsections
COMPOSITION / INFORMATION ON INGREDIENTS	
REGULATORY INFORMATION	European Union Classification and Labelling Requirements
	US OSHA Standard (29 CFR Part 1910.1200) - Classification
TOXICOLOGY INFORMATION	Other Adverse Effects
	Reproductive Effects

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.