

## 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

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### 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.

<b>Inhalation</b>	Physical form suggests that risk of inhalation exposure is negligible.
<b>Skin Contact</b>	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.
<b>Eye Contact</b>	Wash immediately with clean and gently flowing water. Continue for at least 15 minutes. Obtain medical attention.

#### NOTES TO HEALTH PROFESSIONALS

<b>Medical Treatment</b>	Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information centre.
<b>Medical Conditions Caused or Aggravated by Exposure</b>	None for occupational exposure.
<b>Health Surveillance Procedures</b>	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.
<b>Antidotes</b>	No specific antidotes are recommended.

### 5. FIRE-FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Not expected for the product, although the packaging is combustible.
<b>Extinguishing Media</b>	Water, dry powder or foam extinguishers are recommended. Carbon dioxide extinguishers may be ineffective.
<b>Special Firefighting Procedures</b>	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.
<b>Hazardous Combustion Products</b>	Toxic, corrosive or flammable thermal decomposition products are expected when the product is exposed to fire.

### 6. ACCIDENTAL RELEASE MEASURES

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

### 7. HANDLING AND STORAGE

#### HANDLING

<b>General Requirements</b>	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.
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#### 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**

COMPOSITION / INFORMATION ON INGREDIENTS  
REGULATORY INFORMATION

TOXICOLOGY INFORMATION

**Subsections**

European Union Classification and Labelling Requirements  
US OSHA Standard (29 CFR Part 1910.1200) - Classification  
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.