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

### **1.1. Product identifier**

**Product name:** Graphonix Reform 2

**Product code:** G1GSHS2148

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

**Use of substance / mixture:** Surface Preparation or Protection

### **1.3. Details of the supplier of the safety data sheet**

Revolutionary Protective Solutions Limited  
Unit 21 2M Trade Park  
Beddow Way  
Aylesford  
Kent  
ME207BT  
info@r-p-solutions.co.uk

+44 (0) 1622 717755

### **1.4. Emergency telephone number**

Emergency tel: NHS Direct 08454647  
NHS24 0845242424  
ROI 018092166  
(office hours only)

## **Section 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

GHS Classification Symbol(s) of Product This material is not classified as hazardous by the Globally Harmonized System (GHS) or by Occupational Safety & Health Administration (OSHA) Hazard Communication criteria Signal Word No Signal Word has been assigned

## **Section 3: Composition/information on ingredients**

### 3.1 Mixtures

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
No hazardous items exist				
Graphene	Trade Secret	<0.5%	Warning	H319; H335

The exact percentage (concentration) of ingredients is being withheld as a trade secret. The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

#### **Section 4: First aid measures**

##### **4.1. Description of first aid measures**

**EYE CONTACT: 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.

**SKIN CONTACT: IF ON SKIN:** Gently wash with plenty of Soap and Water. If skin irritation occurs: Get medical advice/attention.

**INGESTION: IF SWALLOWED:** rinse mouth. Do NOT induce vomiting. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**INHALATION: IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

#### **Section 5: Fire-fighting measures**

**SPECIAL FIREFIGHTING PROCEDURES:**

This product is not expected to burn under normal conditions of use.

**FIREFIGHTING EQUIPMENT:** None.

#### **Section 6: Accidental release measures**

**ENVIRONMENTAL MEASURES:**

No Information

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Follow personal protective equipment recommendations found in Section VIII. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Do not allow the spilled product to enter public drainage system or open waterways.

#### **Section 7: Handling and storage**

**HANDLING:** Avoid inhalation and contact with eyes, skin, and clothing. Wash hands thoroughly after handling and before eating or drinking.

**STORAGE:** Keep containers closed when not in use. Store in cool well ventilated space away from incompatible materials

#### **Section 8: Exposure controls/personal protection**

Ingredients with Occupational Exposure Limits  
Chemical Name

ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
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No hazardous items exist Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established N.D. = Not Determined

## **Section 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Appearance: Clear Liquid  
 Odor: Mild Amine  
 Density, g/cm<sup>3</sup>: 1.004  
 Freeze Point, °F: 32F  
 Zhan1 Partition Coefficient, n-octanol/ water:  
 Not determined  
 mined Explosive Limits, %: Not determined  
 Flash Point, °F: > 200 ° F  
 Evaporation Rate: Slower than Diethyl Ether  
 Density: Not determined

Physical State: LIQUID  
 Odor Threshold: Not determined  
 pH: 4.5  
 Viscosity: 21 Seconds  
 Solubility in Water: Yes  
 Decomposition temperature, °F: Not deter-  
 Boiling Range, °F: Not determined  
 Combustibility: Does not support combus-  
 Auto-Ignition Temperature, °F: Not determined  
 Vapor Pressure, mmHg: Not determined Vapor  
 N.I. = No Information

## **Section 10: Stability and reactivity**

STABILITY: Stable under normal conditions.  
 CONDITIONS TO AVOID: Contact with incompatible materials.  
 INCOMPATIBILITY: Acids, Bases, Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Not determined.

## **Section 11: Toxicological information**

11.1. Information on toxicological effects  
 EMERGENCY OVERVIEW: No Information  
 EFFECT OF OVEREXPOSURE - EYE CONTACT: No Information  
 EFFECT OF OVEREXPOSURE - INGESTION: No Information  
 EFFECT OF OVEREXPOSURE - INHALATION: No Information  
 EFFECT OF OVEREXPOSURE - SKIN CONTACT: No Information

CARCINOGENICITY: No Information

PRIMARY ROUTE(S) OF ENTRY: Acute Toxicity Values The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
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No hazardous items exist N.I. = No Information

## **Section 12: Ecological information**

**ECOLOGICAL INFORMATION:** Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits.

### **Section 13: Disposal considerations**

DISPOSAL METHOD: Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Follow personal protective equipment recommendations found in Section VIII. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Do not allow the spilled product to enter public drainage system or open waterways. clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. When handling waste, the safety precautions applying to handling of the product should be considered.

### **Section 14: Transport information**

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT: NOT RESTRICTED

IATA: NOT RESTRICTED

IMDG: NOT RESTRICTED

### **Section 15: Regulatory information**

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

EU legislation

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

#### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

### **Section 16: Other information**

Hazard Statements:

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

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

**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.