

# SAFETY DATA SHEET

C2030519P4

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Issued: 07/04/08

Revision No: 2

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

**Product name:** C2030519P4

**Product code:** C2030519P4

**Synonyms:** CARBON GRAPHITE PASTE

**Company name:** Gwent Group including:

Gwent Electronic Materials Ltd, LRH Ltd,

Applied Enzyme Technology Ltd, Gwent Senosors Ltd,

Gwent Biotechnology Ltd

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**Manufacturer:** Gwent Group

## 2. HAZARDS IDENTIFICATION

**Main hazards:** Irritating to eyes. Limited evidence of a carcinogenic effect.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** 4-HYDROXY-4-METHYL-2-PENTANONE 1-10%

EINECS: 204-626-7 CAS: 123-42-2

[Xi] R36

• 3,5,5-TRIMETHYLCYCLOHEX-2-ENONE 1-10%

EINECS: 201-126-0 CAS: 78-59-1

[Xn] R21/22; [Xi] R36/37; [Xn] R40

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Consult a doctor.



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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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**5. FIRE-FIGHTING MEASURES**

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**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions:** If outside do not approach from downwind. Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

**Environmental precautions:** Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas.

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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**7. HANDLING AND STORAGE**

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**Handling requirements:** Ensure there is exhaust ventilation of the area. Avoid the formation or spread of dust in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Hazardous ingredients:** 4-HYDROXY-4-METHYL-2-PENTANONE

WEL (8 hr TWA): 50 ppm WEL (15 min STEL): 75 ppm

• 3,5,5-TRIMETHYLCYCLOHEX-2-ENONE

WEL (15 min STEL): 29 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is exhaust ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be used in handling. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Paste  
**Colour:** Black  
**Odour:** Perceptible odour  
**Oxidising:** Non-oxidising (by EC criteria)  
**Viscosity:** Viscous

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat.  
**Materials to avoid:** Strong oxidising agents. Strong acids.  
**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** 3,5,5-TRIMETHYLCYCLOHEX-2-ENONE  
ORL MUS LD50 2690 mg/kg  
ORL RAT LD50 1870 mg/kg  
SKN RAT LD50 1390 mg/kg  
**Chronic toxicity:** Danger of very serious irreversible effects through inhalation.  
**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Persistence and degradability:** Biodegradable.  
**Bioaccumulative potential:** No bioaccumulation potential.  
**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all regional and national environmental regulations.  
Can not be recycled.  
**Waste code number:** 08 01 09  
**Disposal of packaging:** Burn in a chemical incinerator equipped with afterburners and scrubbers.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**



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**ADR / RID**

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**IMDG / IMO**

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**IATA / ICAO**

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**15. REGULATORY INFORMATION**

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**Hazard symbols:** Harmful.**Risk phrases:** R36: Irritating to eyes.

R40: Limited evidence of a carcinogenic effect.

**Safety phrases:** S36/37: Wear suitable protective clothing and gloves.**Precautionary phrases:** Restricted to professional users.**Haz. ingredients (label):** 3,5,5-TRIMETHYLCYCLOHEX-2-ENONE

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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**16. OTHER INFORMATION**

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**Risk phrases used in s.3:** R36: Irritating to eyes.

R21/22: Harmful in contact with skin and if swallowed.

R36/37: Irritating to eyes and respiratory system.

R40: Limited evidence of a carcinogenic effect.

**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.