

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET (cosh61)

1. Identification of the preparation/Supplier reference

Trade Name **Gum Arabic**
Chemical name Gum Arabic
Synonyms Acacia Gum or Senegal Gum
Supplier Potterycrafts Ltd, Campbell Road, Stoke on Trent ST4 4ET, UK
Emergency numbers +44 (0)1782 745000 - internet lab@potterycrafts.co.uk

2. Composition

| Component | CAS | EINECS | % of composition |
|-------------------------|-----|--------|------------------|
| No hazardous components | | | |

3. Health Hazard Identification

Inhalation The solid material does not produce an inhalation risk. The inhalation risk increases at elevated temperatures. The vapour may irritate the upper respiratory tracts. Dust may cause respiratory allergic irritation in some individuals
Ingestion The product is of low toxicity and presents little risk to health on ingestion.
Eyes Vapours produced through heating may cause irritation to the eyes. May cause severe eyes injury - damage reversible.
Skin Vapours produced on heating may cause irritation to the skin.

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical attention
Ingestion Do not induce vomiting, seek medical advice
Eyes Wash immediately with copious amounts of water for at least 15 minutes; seek medical attention if irritation persists
Skin Not applicable

5. Fire Fighting Measures

Extinguishing Media Foam, dry powder or carbon dioxide. DO NOT use water jet
Special Exposure hazard In the event of a fire, black smoke and acrid fumes may be emitted
Personal protective equipment Self contained breathing apparatus

6. Accidental Release Measures

Leaks & Spills Absorb with sand or earth, transfer to a suitable container. DO NOT SMOKE
Personal protective equipment Respiratory protective equipment and rubber gloves

7. Handling & Storage

Handling Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material
Storage Store in a secure container in a well ventilated area. Keep away from oxidising agents and sources of ignition

8. Exposure Control/Personal protective Equipment

| | |
|-------------------------------|---|
| Engineering controls | Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended. |
| Personal protective equipment | Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact. |

9. Physical & Chemical properties

| | |
|----------------------|---|
| Appearance & Odour | Cream-brown, sold |
| Flash point (°C) | >90 °C |
| Flammability | Combustible |
| Explosive properties | A potential dust explosion hazard exists at certain dust concentrations |
| Oxidising properties | None |
| Specific gravity | About 1 |
| pH value | 7 (insoluble in water) |
| Melting point (°C) | Not available |

10. Stability & Reactivity

| | |
|-----------------------------------|---|
| Chemical stability | A potential dust explosion hazard exists at certain dust concentrations |
| Conditions/materials to avoid | May react with oxidising agents |
| Hazardous decomposition products | None known |
| Hazardous polymerization products | None |

11. Toxicology Information

| | | |
|------------------|--------------------|-----------|
| Acute toxicology | LD50 Oral (rabbit) | 8.00mg/kg |
| | LD50 dermal | not known |
| | LD50 inhalation | not known |
| Health effects | Refer to section 3 | |

12. Ecological information

| | |
|-------------|-----------|
| Ecotoxicity | Not known |
| Persistence | Not known |

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1996). Incineration is the most appropriate method.

14. Transport Information

| | | |
|---------------|----------------|----------------|
| UN/SI No. | Not restricted | |
| UN Class | Not restricted | |
| Packing group | Not restricted | |
| Road | UK | Not restricted |
| | ADR | Not restricted |
| Sea | IMO | Not restricted |
| Air | ICAO | Not restricted |

15. Regulatory information

| | | | |
|-----------------------------------|-------------------|----------------|--------------|
| EC Supply Labelling | None required | | |
| R-Phrases | None | | |
| S-Phrases | None | | |
| UK Occupational exposures limits* | Mg/m ³ | 8 hr TWA | % in product |
| | | Not applicable | |

* refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk

16. Other information

References

| | |
|----------------|--|
| COSHH ACOP | HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994 |
| CHIP 96 | Chemicals (Hazard Information and Packaging for Supply) Regulations 1996 |
| CHIP SDS ACOPS | HSC Approved Code of Practice for Safety data Sheets in accordance with regulation 6 of the CHIP regulations |
| HSE EH40 | HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations |

Footnote

LIABILITY

Such information is the best of Bath Potters Supplies knowledge and belief accurate at the date of publication, which is the date generated automatically on the day of printing of this document. However, no representation, warranty of guarantee is made as to its accuracy, reliability of completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

THIRD PARTY MATERIALS

Insofar as materials not manufactured or supplied by Bath Potters Supplies are used in conjunction with, or instead of Bath Potters Supplies materials, it is the responsibility of the customer itself to obtain from the manufacturer or supplier all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Potterycrafts Ltd materials in conjunctions with other materials.

17. National Legislation

UK Legislation

SI1993/1746 Chemicals (Hazard Information and Packaging) Regulations 1993
Environmental Protection (Duty of Care) regulations 1992 SI 2839
Carriage of Dangerous goods by Road and Rail Regulations 1994
Control of pollution Act 1974
Environmental Protection Act 1990
Highly Flammable Liquids and Petroleum Spirit Regulations 1972
EH40 Occupational Exposure Limits
SI1988/1657 The Control of Substances Hazardous to Health Regulations

Note - This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations

Important notes

Design CHIP-002

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Further reference can be made to our standard terms and conditions of sale, a copy of which is available on request.

13 June 2002