

MATERIAL SAFETY DATA SHEET

1. Identification of Preparation/Company.

Trade name : 230489 SODIUM HEXAMETAPHOSPHATE
(1103, M0489)

Chemical name : Sodium hexametaphosphate

Synonyms : Calgon

Supplier : Bath Potters' Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
Radstock, Nr Bath

BA3 4XE 4XE,

Emergency Telephone Number : 01761 411077

Fax : 01761 414115

email: sales@bathpotters.co.uk

2. Composition.

Component C.A.S. EINECS % of composition

Sodium hexametaphosphate 68915-31-1 2728083 100

3. Health Hazard Identification.

Inhalation : Excessive exposure may cause irritation of the respiratory system and mucous membranes.

Ingestion : The product is of low acute toxicity.

Eyes : May cause physical irritation and inflammation.

Skin : Prolonged contact with the skin may cause irritation and defatting, rendering the skin more susceptible to attack from other substances.

4. First Aid Measures.

Inhalation : Remove patient to fresh air, loosen clothing, seek medical attention.

Ingestion : Do not induce vomiting, seek medical advice.

Eyes : Wash immediately with copious amounts of water.

Skin : Wash affected areas with water. Clean areas around wounds to prevent product interfering with blood clotting.

5. Fire-fighting Measures.

Extinguishing media : Suitable for surrounding fire conditions.

Special exposure hazard : Possible emission of toxic POx in severe fire conditions.

Personal protective equipment : None other than required for surrounding fire conditions.

6. Accidental Release Measures.

Leaks & spills : Use suitable vacuum equipment or carefully sweep up. Place in a labelled container for subsequent disposal. Wash remaining trace quantities at spill site to drain with plenty of water.

Personal protective equipment : Respiratory protective equipment, gloves, overalls.

7. Handling & Storage. : Do not eat, drink, or smoke in areas where the material is used.
Wash thoroughly after handling the material.
Storage : Store in closed container in a dry area.

Engineering controls : Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded.
Local Exhaust Ventilation is preferable to personal protection.
Personal protective equipment : Where necessary, suitable personal protection should be used
(e.g. overalls, gloves, mask).

9. Physical & Chemical Properties.

Appearance & odour : White powder, odourless.
Flash point (°C) : Not applicable.
Flammability : Not applicable.
Explosive properties : Non-explosive.
Oxidising properties : None
Specific gravity : About 1.
pH value : 7.2-8.8 (2.5 g/litre @ 25°C).
Melting point (°C) : About 600°C.

10. Stability & Reactivity.

Chemical stability : The material is stable.
Conditions/materials to avoid : None known.
Hazardous decomposition products : None known.
Hazardous polymerization products : None.

11. Toxicological Information.

Acute toxicity:- LD50 Oral (rat) 2900 mg/kg.
LD50 Dermal Not known.
LC50 Inhalation Not known.
Health effects : See Section 3.

12. Ecological Information.

Ecotoxicity : Not known.
Persistence : The product will hydrolyse in receiving waters to form orthophosphate which may act as a plant nutrient and precipitate heavy metals.

13. Disposal.

Dispose of in accordance with current Waste Disposal Regulations
(for U.K. ... Special Waste Regulations 1996).
Landfill is an appropriate method. 1

4. Transport Information.

U.N./S.I. No. : Not restricted.

U.N. Class : Not restricted.
Packing group : Not restricted.
Road:- U.K. : Not restricted.
A.D.R. : Not restricted.
Sea:- I.M.O. : Not restricted.
Air:- I.C.A.O. : Not restricted.

15. Regulatory Information.

EC Supply labelling: None required by relevant EU directives and UK regulations.

R-Phrases : None.

S-Phrases : S22 Do not breathe dust.

U.K Occupational exposure limits*: mg/m³
8 hr TWA % in product (total dust)

Dusts:
Total inhalable 10
respirable 4

* Refer to H.S.E. Guidance note EH40.

In accordance with the H.S.E. 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 :

ADR European agreement concerning international transport of dangerous goods by road (Accord europeen relatif au transport international des marchandises Dangereuses par Route).

CAS International reference numbers for chemical substances (Chemical Abstracts Service).

CHIP Chemicals (Hazard Information and Packaging) regulations 1993, and later revisions.

CHIP SDS ACOP H.S.C. Approved Code Of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations.

COSHH ACOP H.S.C. Approved Code Of Practice for the Control Of Substances

Hazardous to Health
regulations 1988, and later revisions.

EINECS European Inventory of Existing commercial Chemical Substances.

HSE EH40 H.S.E. Guidance note EH40 on Occupational Exposure Limits (revised annually),
to be used in conjunction with the COSHH regulations.

HSWA Health and Safety at Work Act 1974.

ICAO International Civil Aviation Organisation.

IMO International Maritime Organisation.

LC50 Concentration which is lethal by inhalation to 50% of a defined population (e.g.: rats) within a specified time.

LD50 Dose which is lethal orally or dermally to 50% of a defined population (e.g.: rats) within a specified time.

UN United Nations.

Design : CHIP-000 Date Created : 06/11/2000

Issue No. : 8 Revisions : section

Since the specific conditions of use of the product are outside the control of the supplier, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information within this safety data sheet is correct to the best of our knowledge and information at the date of publication. The information relates only to the specific product designated and may not be valid for the product if used in combination with any products or any processes other than those specified in the text.

October 2015