



SAFETY DATA SHEET

PRODUCT NAME: NITROPHOS

April 2013

IDENTIFICATION

Product Name: Nitrophos
Other Names: N/A
Product Code: CNPHOS200
Uses: Heavy duty acid designed for CIP use only, to effectively remove mineral deposits encountered in the food industry.
Supplier: HamChem Hamilton Chemicals Ltd, 355 Kahikatea Drive, Hamilton
Phone: 078475840, Fax 078475882, info@hamchem.co.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

HAZARD IDENTIFICATION

WARNING

Keep out of reach of children

Read label and SDS before use.

HSNO Classifications: 6.1D (All), 6.1D (I), 6.9B (All), 6.9B (I), 8.1A , 8.2B , 8.3A

Health Effects:

Acute:

Swallowed: Corrosive. Will cause burns to the mouth, throat and oesophagus. Can result in nausea, vomiting and abdominal pain.

Acute oral toxicity is 30grams undiluted as with nitrates

Eye: Corrosive to eyes. Can cause corneal burns that may result in permanent injury.

Skin: Corrosive to skin. May cause burns and irritation.

Inhaled: Not normally an inhalation risk due to low vapour pressure.

Chronic:

Unknown

COMPOSITION & INFORMATION ON INGREDIENTS

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

PRODUCT NAME:	NITROPHOS
----------------------	------------------

Chemical Entity	CAS No.	Proportion (%)
Nitric Acid	7697-37-2	40 - 60%
Phosphoric Acid	7664-38-2	5 – 15%

Other details:

pH 1%	< 2
pH 100%	

Sanitiser/Type(s)	N/A
Active sanitiser	N/A

Surfactant/Additives	N/A
Percentage Actives	

565g/L Nitric Acid
120g/L Phosphoric Acid

Heavy Metal Content	Conforms to British Pharmacopædia Standards
Use Rate (General)	1% v/v
Use Temperature (General)	75°C

FIRST AID MEASURES

If swallowed: Immediately rinse mouth with water. Give water or milk to drink. Do NOT induce vomiting. Do NOT give fluid to an unconscious person. Seek medical attention

If on skin: Remove contaminated clothing. Flush skin with clean running water for 15 minutes. Seek medical attention if irritation persists.

If inhaled: Remove patient to fresh air and loosen constricted clothing. Seek medical attention if the patient shows signs of respiratory difficulties. If the patient has ceased breathing, apply mouth to mouth artificial respiration.

If in eyes: Flush with copious amounts of clean running water for 15 minutes. Seek medical attention.

FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Water or foam extinction agent

ACCIDENTAL RELEASE MEASURES

Spills and disposal: If spilled, neutralize using alkaline material such as soda ash or slaked lime to a pH of 5 – 9. Place in drums and bury in an approved landfill. Flush neutralized residue to sewer with plenty of water. Do NOT flush concentrate into waterways.

HANDLING & STORAGE

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

PRODUCT NAME: NITROPHOS

Handling advice: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Avoid contact or contamination of product with incompatible materials.

Storage advice: Make sure that containers of this product are kept tightly closed. Keep containers of this product in a well ventilated area. Keep away from sources of ignition such as sparks and open flames. Protect this product from light. Make sure that the product does not come into contact with incompatible substances. Check packaging – there may be further storage instructions on the label.

EXPOSURE CONTROLS & PERSONAL PROTECTION
--

Exposure standards: Not been established.

Engineering controls: This product should only be used where there is local exhaust ventilation.

Personal protective equipment: Eyes: Protective glasses or goggles must be worn when this product is being used. Failure to protect your eyes may lead to severe harm to them or to general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Skin: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow length gloves and facial protection when handling this product.

We suggest using a suitable dust mask/respirator if there is a significant chance that dusts are likely to build up in the area where this product is being used, otherwise not normally necessary.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Orange coloured powder.

Odour: None.

Specific Gravity: N/A

Solubility: Soluble.

Flash point: N/A

Flammability limits: N/A

Boiling point: N/A

Melting point: N/A

pH: N/A

STABILITY & REACTIVITY

Stability: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Hazardous decomposition products: Carbon dioxide, usually without carbon monoxide and smoke but if incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Oxides of sulfur (sulphur dioxide is a respiratory hazard) and other sulphur compounds.

Incompatibles: Strong oxidising agents.

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

PRODUCT NAME: NITROPHOS

Conditions to avoid: This product should be kept in a cool place, preferably below 30°C. Containers should be kept dry. Keep away from heat, flames and sparks. Protect this product from light.

TOXICOLOGICAL INFORMATION

Toxicity data: Oral rat LD50: 6721 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector.

ECOLOGICAL INFORMATION

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

DISPOSAL CONSIDERATIONS

Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waster disposal site. This product should be suitable for landfill, however, check with local Waste Disposal Authority before sending there. Note that product properties may have been changed in use, significantly altering its suitability for landfill. Please do NOT dispose into sewers or waterways.

TRANSPORT INFORMATION

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

REGULATORY INFORMATION

HSNO Classifications: 6.1E, 6.5B

OTHER INFORMATION

Key to abbreviations:

End of SDS.

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz