



SAFETY DATA SHEET
PHOSPHORIC ACID 75%
PRODUCT CODE: 00930052

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	PHOSPHORIC ACID 75%
Product number	00930052
REACH registration number	01-2119485924-24-XXXX
CAS number	7664-38-2
EU index number	015-011-00-6
EC number	231-633-2

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

Identified uses	Inorganic Acid.
Uses advised against	This substance is not recommended for any industrial, professional or consumer use other than the identified use above.

1.3. Details of the supplier of the safety data sheet

Supplier	Star International Star House, Turbine Road, Turbine Business Park, Birkenhead, Merseyside, CH41 9BA E: enquiries@star-international.co.uk
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1.4. Emergency telephone number

Emergency telephone	01224 723796 (Office hours only)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Met. Corr. 1 - H290
Health hazards	Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Not Classified

2.2. Label elements

EC number	231-633-2
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Pictogram



Signal word	Danger
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Hazard statements	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.
Precautionary statements	P260 Do not breathe vapour/ spray. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P406 Store in a corrosion-resistant container with a resistant inner liner. P501 Dispose of contents/ container in accordance with national regulations.
Contains	PHOSPHORIC ACID
Supplementary precautionary statements	P234 Keep only in original packaging. P264 Wash contaminated skin thoroughly after handling. P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P310 Immediately call a POISON CENTER/ doctor. P390 Absorb spillage to prevent material damage. P405 Store locked up.

2.3. Other hazards

Not available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PHOSPHORIC ACID	60-100%
CAS number: 7664-38-2	EC number: 231-633-2
	REACH registration number: 01-2119485924-24-XXXX
Classification	
Met. Corr. 1 - H290	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Chemical burns must be treated by a physician.
Inhalation	Move affected person to fresh air at once. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes and get medical attention.

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Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Ingestion Harmful if swallowed.

Skin contact Causes severe skin burns and eye damage.

Eye contact Causes severe skin burns and eye damage. Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Specific hazards In case of fire, toxic and corrosive gases may be formed.

5.3. Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Do not allow water to enter the container as it will react with the product.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Follow precautions for safe handling described in this safety data sheet. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. DO NOT touch spilled material! Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Neutralise spilled material with crushed limestone, slaked lime (calcium hydroxide), soda ash (sodium carbonate) or sodium bicarbonate. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Store in tightly-closed, original container in a well-ventilated place. Suitable container materials: Stainless steel. Glass. Polyethylene. Store at temperatures between 10°C and 40°C.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Use engineering controls to reduce air contamination to permissible exposure level. Provide corrosion-resistant local exhaust ventilation.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyethylene.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Provide eyewash station and safety shower. Good personal hygiene procedures should be implemented. When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. filter A/P2 EN 136/140/141/145/143/149

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Colourless.
Odour	Odourless.
pH	pH (concentrated solution): >2
Initial boiling point and range	101-158°C @ 760 mm Hg
Relative density	1.179-1.689 @ 20°C

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Partition coefficient	log Pow: -2
Viscosity	62 mPa s @ 25°C

9.2. Other information

Other information	Not available.
Molecular weight	98

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not available.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid	Strong alkalis. Aluminium.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Corrosive gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	666.67
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Inhalation	Repeated exposure may cause chronic upper respiratory irritation.
Ingestion	Causes severe burns. Swallowing concentrated chemical may cause severe internal injury.
Skin contact	Causes severe skin burns and eye damage.
Eye contact	Causes severe skin burns and eye damage. Causes serious eye damage.
Acute and chronic health hazards	This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns.

Toxicological information on ingredients.

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Acute toxicity - oral

ATE oral (mg/kg)	500.0
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SECTION 12: Ecological Information

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Ecotoxicity The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 3-3,25 mg/l,

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: -2

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1805

UN No. (IMDG) 1805

UN No. (ICAO) 1805

UN No. (ADN) 1805

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PHOSPHORIC ACID, SOLUTION

Proper shipping name (IMDG) PHOSPHORIC ACID, SOLUTION

Proper shipping name (ICAO) PHOSPHORIC ACID, SOLUTION

Proper shipping name (ADN) PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID classification code C1

ADR/RID label 8

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IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2R
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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15.2. Chemical safety assessment

Not available.

SECTION 16: Other information

Revision date	09/07/2018
Revision	4

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Supersedes date	31/12/2016
SDS number	20705
Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
Signature	Auguste Kavaliauskaite