



Safety Data Sheet

Revision date: 08-09-2017

ICE MACHINE CLEANER (DESCALING ACID)

Revision no: 1.1

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

1.1 Product identifier **Product name :** ICE MACHINE CLEANER (DESCALING ACID)

Product code : ICE13/14

1.2 Relevant identified uses Descaling/Derusting solution

Uses advised against Not recommended for applications not specified above.

1.3 Details of supplier of safety data sheet

C.K.Chemicals Ltd
17 Lady Lane Ind Est
Hadleigh, Ipswich
Suffolk
IP7 6BQ

Email: sales@ckchemicals.co.uk

1.4 Emergency telephone no 01473 822836

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture **Classified according to Regulation (EC) No 1272/2008.**

	Hazard Class	Haz Category	Haz Statements
Physical	Skin corrosion/irritation	1B	H314
Health			

Environmental

2.2 Label elements

Pictograms

Exclaim

Corrosive

Signal word

DANGER



Hazard statements

H314	Causes severe skin burns and eye damage.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse with water/shower.

Precautionary statements

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

SECTION 3: Composition/information on ingredients

3.1 Substances

Phosphoric acid
Index-No. : 015-011-00-6 CAS-No. : 7664-38-2 EC-No. : 231-633-2 EU
REACHReg. No. : 01-2119485924-24-xxxx Conc. <50%



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Non ionic surfactants. <5%

3.2 Mixtures

This material is defined as a mixture

SECTION 4: First aid measures

4.1 General information Take off all contaminated clothing immediately.

Ingestion

Rinse mouth with water. Never give anything by mouth to an unconscious person.

Do NOT induce vomiting. Call a physician immediately.

Inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

Skin contact

Rinse immediately with plenty of water.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

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

Corrosive effects, See Section 11 for more detailed information on health effects and symptoms.

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

Treat symptomatically.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from substance or mixture

Specific hazards during firefighting: Gives off hydrogen by reaction with metals. Risk of explosion. Decomposes on heating.

Hazardous combustion products: oxides of phosphorus, the formation of caustic fumes is possible.

5.3 Advice for fire fighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep away unprotected persons. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. In case of mist or spray exposure wear suitable personal respiratory protection and protective suit.

6.2 Environmental precautions



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Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. If material reaches soil inform authorities responsible for such cases.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal. Clean-up methods - small spillage: Neutralize with chalk, or an alkali solution.

6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on personal protective equipment. See Section 13 for waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed. Use personal protective equipment. Avoid contact with the skin and eyes. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in an area equipped with acid resistant flooring. Store in original container.

Advice on protection against fire and explosion : The product is not flammable. Normal measures for preventive fire protection. Gives off hydrogen by reaction with metals. Risk of explosion.

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep in a well-ventilated place.

Advice on common storage: Incompatible with bases. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end uses

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not available.

8.2 Exposure controls

Appropriate engineering controls: Refer to protective measures listed in sections 7 and 8.

Personal protective equipment:

Respiratory protection advice : Required, if exposure limit is exceeded (e.g. OEL). Required if vapours are released. In case of brief exposure or low pollution use breathing filter apparatus.

Respiratory protection complying with EN 141. Combination filter: B-P2.

Hand protection: Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.





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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Redish straw coloured liquid.
Odour:	Feint acidic
Odour threshold:	Not available
pH:	<1
Boiling point/range:	>100 °C
Melting point/freezing point:	Not available
Flash point:	Not applicable
Evaporation rate:	Not available
Flammability (solids/gas):	Not applicable
Upper/lower flammability:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	1.2
Solubility:	Soluble in water
Partition coefficient:	Not available
Auto-ignition temperature:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not oxidising
Viscosity:	Not applicable

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity	No decomposition if stored and applied as directed.
10.2 Chemical stability	The product is chemically stable.
10.3 Possibility of hazardous reactions	Gives off hydrogen by reaction with metals. Exothermic reaction with: Alkali metals.
10.4 Conditions to avoid	No information available.
10.5 Incompatible materials	Bases, Oxidizing agents.
10.6 Hazardous decomposition products	Gives off hydrogen by reaction with metals. In case of fire hazardous decomposition products may be produced such as: oxides of phosphorus, phosphine.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	Inhalation: Inhalation may cause pain in respiratory system, sneezing, coughing and difficulty in breathing. Risk for pulmonary edema by very high concentration. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. Carcinogenicity : It is not considered carcinogenic. Mutagenicity: No known mutagenic effects. Teratogenicity : no data available. Reproductive toxicity: No known toxicity to reproduction. The substance or mixture is not classified as specific target organ toxicant, single or repeated exposure.
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SECTION 12: Ecological information

- 12.1 Toxicity** Data not available.
- 12.2 Persistence and degradability** The methods for determining biodegradability are not applicable to inorganic substances.
- 12.3 Bioaccumulative potential** Not relevant.
- 12.4 Mobility in soil** No data available.
- 12.5 Results of PBT and vPvB assessment** The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.
- 12.6 Other adverse effects** None known.

SECTION 13: Disposal considerations

Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging: Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

European Waste Catalogue Number: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

14.1 UN No ADR/RID UN No.1760 **IMDG** UN No.1760 **UNICAO** UN No.1760

14.2 Proper shipping name

ADR/RID Corrosive liquids, N.O.S.
IMDG Corrosive liquids, N.O.S.
ICAO Corrosive liquids, N.O.S.
ADN Corrosive liquids, N.O.S.

14.3 Hazard class **ADR/RID** CLS. 8 **IMDG** CLS. 8 **ICAO** CLS. 8

14.4 Packing group **ADR/RID** PG. III **IMDG** PG. III **ICAO** PG. III **Transport & Enviro labels**

14.5 Environmental hazards



14.6 Special precautions for user

Avoid any contact with skin.

14.7 Transport in bulk according to annex 11 of MARPOL73/78 and IBC code

Not applicable

SECTION 15: Regulatory information



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15.1 Safety health and environmental regulations specific for the substance or mixture

Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical safety assessment

Not applicable.

SECTION 16: Other information

16.1 Other information

Full text of H-Statements referred to under sections 2 and 3.

H314 Causes severe skin burns and eye damage.

Abbreviations and Acronyms
BCF bioconcentration factor
BOD biochemical oxygen demand
CAS Chemical Abstracts Service