

version 1.3
UPDATED ON : 26/03/03

1 IDENTIFICATION

Trade name	UNIPRED
Use area	HYGIENE AND SANITIZING OF MILKING EQUIPMENTS IN SINGLE PHASE CLEANING
Supplier	HYPRED UK LTD.
	Units 8&9, Second Way Avonmouth - BRISTOL BS11 8DF Tel: 0117 916 05 30 Fax: 0117 916 05 33
Emergency phone number	Call your medical practitioner LONDON (Information available at the National Poison Unit - Guy's Hospital)

2 COMPOSITION / INFORMATION ON COMPONENTS

Main components : Phosphoric Acid \geq 25%

CAS number : Phosphoric Acid / 7664-38-2 / 231-633-2

Symbol(s)-R-phrases : Phosphoric Acid : C; R34;

3 HAZARDS IDENTIFICATION

Main risks : Causes burns.

Environmental effects :

No dangerous environmental effect when instructions for use are followed.

4 FIRST-AID MEASURES

Skin contact :

Take off immediately all contaminated clothing.
Wash immediately with plenty of water for 15 minutes at least.
Consult a dermatologist.

Eye contact :

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Immediately consult an ophtalmologist, even in the absence of apparent damages.

If swallowed :

Rinse the mouth.
Do not induce vomiting.
Send to hospital.

5 FIRE-FIGHTING MEASURES

Specific risks :

UNIPRED is non-flammable.
However, in contact with certain metals (aluminium, zinc, copper...), release of hydrogen whose mixtures with air are explosive.

6 ACCIDENTAL RELEASE MEASURES

Individual precautions :

Wear suitable protective clothing.

Environmental precautions :

Intervention limited to trained staff.
Do not discharge the product directly to sewer or to environment.
Take as soon as possible all incompatible materials away.

Small spillage :

Wash with plenty of water.

Large spillage :

Mark out, dyke up and pump into an emergency tank.

7 HANDLING AND STORAGE

Handling :

Wear suitable protective clothing.
Avoid discharge when using.
Do not mix with alkali.

Storage :

Keep only in the original container.
Keep container closed.
Keep in a cool place.
Keep away from products sensitive to acids.

Packaging or bottling materials :

High density polyethylene recommended.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters :

ELV (Exposure limit value) :

Phosphoric Acid : 3 mg/m³

EMV (Exposure medium value) :

Phosphoric Acid : 1 mg/m³

Engineering measures :

Safety shower and eye wash fountain near to workplace.

Personal protective equipment :

Wear gloves, glasses and protective clothing.

Hygiene measures :

Exothermic reactions with alkalis.

9 PHYSICAL AND CHEMICAL PROPERTIES

Colour : Clear liquid - Colourless

Freezing point : -25 °C

Solubility : Soluble in water in all proportions

pH value at 10 g/l : 2+/- 0,2

Mass density : 1,425+/- 0,01 g/cm³

10 STABILITY AND REACTIVITY

Hazardous reactions :

Exothermic reactions with alkalis.

Hazardous decomposition products :

In contact with certain metals (aluminium, zinc, copper...), release of hydrogen whose mixtures with air are explosive.

11 TOXICOLOGICAL INFORMATION

LD50 oral-rat : Phosphoric Acid : 1530 mg/kg

Local effects :

Skin contact : Corrosive : Causes burns.

Eye contact : Corrosive : Causes burns.
Risk of serious damage to eyes if not treated immediately.

Ingestion : Causes burns in mouth and digestive tract.

12 ECOLOGICAL INFORMATION

Ecotoxicity :

Daphnia : CE50-24h
Phosphoric Acid : 65 mg/l

Fish :
CL50-24h
Phosphoric Acid: 245mg/l

Biodegradability :

In accordance with directives concerning the biodegradability of surfactants contained in detergents (73/404/EC Directive,...., 86/94/EEC Directive).

13 DISPOSAL CONSIDERATIONS

Disposal according to local, federal or state legislation.
Do not discharge the product directly to sewer or environment.

14 TRANSPORT INFORMATION

TRANSPORT BY ROAD :

Rail/Road (RID/ADR)

Transport denomination : PHOSPHORIC ACID IN SOLUTION
Class : 8
UN-N° : 1805
Item : 17°C)
Hazard code : 80
Label : 8
CEFIC sheet : 80G19

SEA TRANSPORT :

IMDG

Transport denomination : PHOSPHORIC ACID IN SOLUTION
Class : 8
UN-N° : 1805

IMDG page : 8204
Packaging group : III
EmS number : 8-08
MFAG table N° : 700

15 REGULATORY INFORMATION

Labelling :
C : CORROSIVE

Risk-First aid :

R34 : Causes burns.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

16 OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given herein is to the best of our knowledge correct and is given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product.

It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

ISSUING DATE : 11/04/03