

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

CIP Acid 54

Product no.

-

REACH registration number

Not applicable

Unique formula identifier (UFI)

-

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

Relevant identified uses of the substance or mixture

Chemicals for industrial purposes

Washing and Cleaning Products (including solvent based products) (PC35)

Use in closed, continuous process with occasional controlled exposure (PROC 2)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Industrial use of substances in closed systems (ERC7)

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

NCA-Verodan A/S

Industriparken 5

DK-9560 Hadsund

+45 70 27 16 30

www.ncaa.dk

Contact person

E-mail

mail@ncaa.dk

SDS date

2019-01-17

SDS Version

3.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1B; H314

Eye Dam. 1; H318

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

**Signal word**

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

▼ Precautionary statements

General -

Prevention

Do not breathe mist/vapours/fume/spray. (P260).

Wash hands thoroughly after handling. (P264).

Wear eye protection/protective clothing/protective gloves. (P280).

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).

Storage -

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Phosphoric acid, formic acid, sulphuric acid

2.3. Other hazards

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

Additional labelling

Not applicable

▼ Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients**▼ 3.1/3.2. Substances/Mixtures**

NAME:	Phosphoric acid
IDENTIFICATION NOS.:	CAS-no: 7664-38-2 EC-no: 231-633-2 REACH-no: 01-2119485924-24-0000 Index-no: 015-011-00-6
CONTENT:	25-40%
CLP CLASSIFICATION:	Met. Corr. 1, Skin Corr. 1B H290, H314
NOTE:	L
NAME:	formic acid
IDENTIFICATION NOS.:	CAS-no: 64-18-6 EC-no: 200-579-1 Index-no: 607-001-00-0
CONTENT:	5 - <10%
CLP CLASSIFICATION:	Skin Corr. 1A H314
NOTE:	S L
NAME:	sulphuric acid
IDENTIFICATION NOS.:	CAS-no: 7664-93-9 EC-no: 231-639-5 REACH-no: 01-211945883
8-20-20 Index-no: 016-020-00-8	
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Met. Corr. 1, Skin. Corr. 1A H290, H314
NOTE:	L
NAME:	Benzenesulfonic acid, 1-methylethyl-, -, sodium, salt
IDENTIFICATION NOS.:	CAS-no: 28348-53-0 EC-no: 248-983-7 REACH-no: 01-2119489411-37-0000
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Eye Irrit. 2

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(oral) > 2000
Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 1,4832 - 2,2248
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 5,0496 - 7,5744

Detergent:
> 30%: AQUA
15 - 30%: PHOSPHATES
5 - 15%: FORMIC ACID
< 5%: SULFURIC ACID, ANIONIC SURFACTANTS

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Sulphur oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

No data available

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

Hand protection

Neoprene

Material thickness: 0,68 mm.

Breakthrough time: > 60 minutes (Class 3)

Eye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Clear
Odour	Sourish
Odour threshold (ppm)	No data available.
pH	<1
Viscosity (40°C)	No data available.
Density (g/cm ³)	1,23

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

According to EC-Regulation 2015/830

10.3. Possibility of hazardous reactions

Nothing special

▼ 10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance: Benzenesulfonic, acid, 1-methylethyl-, -, sodium, salt

Species: Rat

Test: LD50

Route of exposure: Oral

Result: > 2000 mg/kg

Substance: sulphuric acid

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 2140 mg/kg

Substance: sulphuric acid

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 0,375 mg/kg

Substance: formic acid

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 730 mg/kg

Substance: formic acid

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 7,4 mg/l

Substance: Phosphoric acid

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 2600 mg /kg

Substance: Phosphoric acid

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 2740 mg/kg

Substance: Phosphoric acid

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 850 mg/l

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Data on substance: Phosphoric acid

Organism: Rabbit

Result: Aetsende

Data on substance: formic acid

Organism: Monkey

According to EC-Regulation 2015/830

Result: ætsende

Serious eye damage/irritation

Causes serious eye damage.

Data on substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt

Organism: Rabbit

Data on substance: Phosphoric acid

Organism: Rabbit

Result: Ætsende

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

Data on substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt

No adverse effect observed.

Data on substance: sulphuric acid

No adverse effect observed.

Data on substance: formic acid

No adverse effect observed.

Data on substance: Phosphoric acid

No adverse effect observed.

Carcinogenicity

Data on substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt

No adverse effect observed.

Data on substance: sulphuric acid

No adverse effect observed.

Data on substance: formic acid

No adverse effect observed.

Data on substance: Phosphoric acid

No adverse effect observed.

Reproductive toxicity

Data on substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt

No adverse effect observed.

Data on substance: sulphuric acid

No adverse effect observed.

Data on substance: formic acid

No adverse effect observed.

Data on substance: Phosphoric acid

No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

Data on substance: Phosphoric acid

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling

sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt
 Species: Fish
 Test: LC50
 Duration: 96 h
 Result: > 100 mg/l

Substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: > 100 mg/l

Substance: Benzenesulfonic,acid,1-methylethyl,-,sodium,salt
 Species: Fish
 Test: EC50
 Duration: 72 h
 Result: > 100 mg/l

Substance: sulphuric acid
 Species: Crustacean
 Test: EC50
 Duration: 48 h
 Result: > 100 mg/l

Substance: formic acid
 Species: Fish
 Test: EC50
 Duration: 96 h
 Result: 68 mg/l

Substance: formic acid
 Species: Crustacean
 Test: EC50
 Duration: 48 h
 Result: 32,19 mg/l

Substance: Phosphoric acid
 Species: Crustacean
 Test: EC50
 Duration: 48 h
 Result: > 100 mg/l

Substance: Phosphoric acid
 Species: Algae
 Test: EC50
 Duration: 72 h
 Result: > 100 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Benzenesulfonic,acid,1-methyle...	Yes	CO2 Evolution Test	>60%
sulphuric acid	Yes	No data available	No data available
formic acid	Yes	No data available	No data available
Phosphoric acid	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Benzenesulfonic,acid,1-methyle...	No	-1,5	No data available
sulphuric acid	No	No data available	No data available
formic acid	No	No data available	No data available
Phosphoric acid	No	No data available	No data available

12.4. Mobility in soil

Benzenesulfonic,acid,1-methyle...: Log Koc= -1,10945, Calculated from LogPow ().

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

Nothing special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

20 01 14 acids

▼ Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	1805
14.2. UN proper shipping name	PHOSPHORIC ACID, LIQUID
14.3. Transport hazard class(es)	8
14.4. Packing group	III
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	1805
Proper Shipping Name	PHOSPHORIC ACID, LIQUID
Class	8
PG*	III
EmS	F-A, S-B
MP**	No
Hazardous constituent	-

IATA/ICAO

UN-no.	1805
Proper Shipping Name	PHOSPHORIC ACID, LIQUID
Class	8
PG*	III

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

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Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Seveso

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Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

PC35 = Washing and Cleaning Products (including solvent based products)

PROC 2 = Use in closed, continuous process with occasional controlled exposure

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC7 = Industrial use of substances in closed systems

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

AJA

Date of last essential change (First cipher in SDS version)

2017-11-29(2.0)

Date of last minor change (Last cipher in SDS version)

2018-02-15

