Cip Luren 22 - Version 1 Page 1 of 15

# SAFETY DATA SHEET NOVADAN° Cip Luren 22 NOVADAN°

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 05.07.2013

Revision date 19.02.2021

#### 1.1. Product identifier

Product name Cip Luren 22

UFI 6RS0-601H-M00C-CMYD

Article no. 12076, 12458, 59144

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

Product group Alkaline CIP cleaning agent

Main intended use PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal

products)

Relevant identified uses SU3 Industrial uses: Uses of substances as such or in preparations at industrial

sites

SU4 Manufacture of food products

PC35 Washing and cleaning products (including solvent based products)
PROC2 Use in closed, continuous process with occasional controlled exposure

ERC8A Wide dispersive indoor use of processing aids in open systems

Uses advised against No specific uses advised against are identified.

# 1.3. Details of the supplier of the safety data sheet

#### Producer

Company name Novadan ApS

Postal address Platinvej 21

Postcode DK-6000

City Kolding

Country Danmark

Telephone number + 45 76 34 84 00

Fax + 45 75 50 43 70

Email <u>sds@novadan.dk</u>

Cip Luren 22 - Version 1 Page 2 of 15

Website www.novadan.dk

# 1.4. Emergency telephone number

Emergency telephone Description: UK: NHS: 111

El: National Poisons Information Centre, 24/7: 01 809 2166

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

[CLP / GHS]

Substance / mixture hazardous

properties

Additional information on

classification

Skin Corr. 1A; H314; Calculation method

Eye Dam. 1; H318; Calculation method

For further information, please refer to section 11.

The informations stated in this MSDS, applies for the concentrated product. See

Sec. 16, for informations regarding recommended user solutions

#### 2.2. Label elements

# **Hazard pictograms (CLP)**



Composition on the label Potassium Hydroxide

Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

Precautionary statements P280 Wear protective gloves / protective clothing / eye protection / face

protection.

P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all

contaminated clothing. Rinse skin with water / shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor / physician.

#### 2.3. Other hazards

Health effect Corrosive to skin and eyes. May cause permanent damage to the eyes, especially

if the product is not washed away IMMEDIATELY. See section 11 for additional

information on health hazards.

Environmental effects Substantial amounts of the product may lead to a local change in acidity in small

water systems which may have adverse effects on aquatic organisms. This

product does not contain any PBT or vPvB substances.

Other hazards No evidence for endocrine disrupting properties.

# **SECTION 3: Composition / information on ingredients**

#### 3.2. Mixtures

Cip Luren 22 - Version 1 Page 3 of 15

Substance	Identification	Classification	Contents	Notes	
Potassium Hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8 REACH Reg. No.: 01-2119487136-33-xxxx	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318 Additional information on classification: Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %	1530 %		
Potassium silicate	CAS No.: 1312-76-1 EC No.: 215-199-1 REACH Reg. No.: 01-2119456888-17-xxxx	Eye Irrit. 2; H319 Skin Irrit. 2; H315	5 - 15 %		
2-Phosphonobutan-1,2, 4-tricarboxylic acid	CAS No.: 37971-36-1 EC No.: 253-733-5 REACH Reg. No.: 01-2119436643-39-xxxx	Met. Corr. 1; H290 Eye Irrit. 2; H319	1 - 5 %		
Substance comments	31 March 2004 or <5%: anionic surfa	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: <5%: anionic surfactant, nonionic surfactant, phosphonate, polycarboxylates. The full text for all hazard statements is displayed in section 16.			

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

General	Remove affected person from source of contamination.		
Inhalation	Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.		
Skin contact	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.		
Eye contact	Important! Immediately rinse with water for at least 15 minutes. May cause permanent damage if eye is not immediately irrigated. Make sure to remove any contact lenses from the eyes before rinsing. Immediately transport to hospital or eye specialist. Continue flushing during transport to hospital.		
Ingestion	Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Do not give victim anything to drink if he is unconscious.		
Recommended personal protective equipment for first aid responders	Wear necessary protective equipment. For personal protection, see section 8.		

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

Cip Luren 22 - Version 1 Page 4 of 15

Acute symptoms and effects Strongly corrosive. May cause deep tissue damage. Strongly corrosive. Causes

severe burns and serious eye damage. Immediate first aid is imperative.

Delayed symptoms and effects 
The etching penetrates deeply into the tissue and is first noticed after a while.

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

Other information In case of unconsciousness, ingestion or eye contact: Immediately call a doctor /

ambulance. Show this safety data sheet.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

# 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards This product is not flammable. During fire, gases hazardous to health may be

formed. Water used for fire extinguishing, which has been in contact with the

product, may be corrosive.

# 5.3. Advice for firefighters

Personal protective equipment

Wear necessary protective equipment. For personal protection, see section 8.

Fire fighting procedures

Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

# **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures

Look out! The product is corrosive. Use protective gloves, goggles and suitable protective clothing. In case of inadequate ventilation use suitable respirator. For personal protection, see section 8.

#### 6.2. Environmental precautions

Environmental precautionary

measures

Avoid discharge into water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.

#### 6.3. Methods and material for containment and cleaning up

Cleaning method Dam and absorb spillage with sand, sawdust or other absorbent. Wash

contaminated area with water.

#### 6.4. Reference to other sections

Other instructions See section 8 and section 13.

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Cip Luren 22 - Version 1 Page 5 of 15

Handling

Avoid spilling, skin and eye contact. Do not mix with acidic products. Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible.

# **Protective safety measures**

Advice on general occupational hygiene

Good personal hygiene is necessary. Wash hands and contaminated areas with

water and soap before leaving the work site.

Eating, smoking and water fountains prohibited in immediate work area. Take off contaminated clothing and personal protective equipment before

entering an eating area..

# 7.2. Conditions for safe storage, including any incompatibilities

Storage Store in tightly closed original container. Keep away from food, drink and animal

feeding stuffs. Store protected from acids. Store the product away from direct

sunlight in opaque containers.

# Conditions for safe storage

Storage temperature

Value: -20 - 30 °C

Storage stability

Durability: 36 months.

# 7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

# **SECTION 8: Exposure controls / personal protection**

# 8.1. Control parameters

Substance Identification Exposure limits TWA Year

Potassium Hydroxide CAS No.: 1310-58-3 Limit value (short term)

Value: 2 mg/m³

#### **DNEL / PNEC**

Substance Potassium Hydroxide

DNEL Group: Consumer

Route of exposure: Lang sigt (gentages) - Indånding - Lokal effekt

Value: 1 mg/m3

**Group:** Professional

Route of exposure: Lang sigt (gentages) - Indånding - Lokal effekt

Value: 1 mg/m3

Substance Potassium silicate

DNEL Group: Consumer

Route of exposure: Long-term oral (systemic)

Value: 0,74 mg/kg bw/day

**Group:** Professional

Route of exposure: Long-term dermal (systemic)

Value: 1,49 mg/kg bw/day

Cip Luren 22 - Version 1 Page 6 of 15

**Group:** Consumer

**Route of exposure:** Long-term dermal (systemic)

Value: 0,74 mg/kg bw/day

**Group:** Professional

Route of exposure: Long-term inhalation (systemic)

Value: 5,61 mg/m<sup>3</sup>

Group: Consumer

Route of exposure: Long-term inhalation (systemic)

**Value:** 1,38 mg/m<sup>3</sup>

PNEC Route of exposure: Freshwater

Value: 7,5 mg/l

Route of exposure: Saltwater

Value: 1,0 mg/l

Route of exposure: Water

Value: 7,5 mg/l

Route of exposure: Sediment

Value: 348 mg/l

Substance 2-Phosphonobutan-1,2,4-tricarboxylic acid

DNEL Group: Professional

Route of exposure: Long-term inhalation (systemic)

Value: 15 mg/m<sup>3</sup>

**Group:** Professional

Route of exposure: Acute inhalation (systemic)

Value: 158 mg/m³
Group: Professional

Route of exposure: Long-term dermal (systemic)

Value: 4,2 mg/kg bw/day

**Group:** Professional

Route of exposure: Acute dermal (systemic)

Value: 80 mg/kg bw/day

**Group:** Consumer

Route of exposure: Long-term inhalation (systemic)

Value: 3,7 mg/m<sup>3</sup>

Group: Consumer

Route of exposure: Acute inhalation (systemic)

Value: 79 mg/m³
Group: Consumer

Route of exposure: Long-term dermal (systemic)

Value: 2,1 mg/kg bw/day

Group: Consumer

Route of exposure: Acute dermal (systemic)

Value: 40 mg/kg bw/day

Cip Luren 22 - Version 1 Page 7 of 15

**Group:** Professional

**Route of exposure:** Long-term oral (systemic)

Value: 2,1 mg/kg bw/day

**Group:** Professional

Route of exposure: Acute oral (systemic)

Value: 65 mg/kg bw/day

PNEC Route of exposure: Freshwater

Value: 3,33 mg/L

Route of exposure: Freshwater sediments

Value: 1.47 mg/kg dw

**Route of exposure:** Soil **Value:** 0,491 mg/kg dw

Route of exposure: Sewage treatment plant STP

Value: 50.4 mg/L

Route of exposure: Saltwater

Value: 0,33 mg/L

# 8.2. Exposure controls

#### Safety signs













# Precautionary measures to prevent exposure

Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. An eye wash bottle must be available at the work site.

# Eye / face protection

Suitable eye protection

Wear approved safety goggles. EN 166.

# **Hand protection**

Skin- / hand protection, long term

contact

Use protective gloves made of:

Nitrile. ≥ 0,7 mm Neoprene. ≥ 0,5 mm Butyl rubber. ≥ 0,4 mm

EN 374.

Breakthrough time

Value: ≥ 480 minute(s)

Hand protection, comments

Manufacturer's directions for use should be observed because of great diversity

of types.

The recommendation is a qualified estimate based on knowledge of the  $% \left( 1\right) =\left( 1\right) \left( 1\right$ 

components.

Cip Luren 22 - Version 1 Page 8 of 15

# Skin protection

Additional skin protection

measures

Wear apron or protective clothing in case of contact. Wear rubber footwear.

# **Respiratory protection**

Respiratory protection necessary

Under normal conditions of use respiration protection should not be required.

at

#### Thermal hazards

Thermal hazards

See section 5.

# Appropriate environmental exposure control

Environmental exposure controls

See section 6.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state Fluid.

Colour Light brown.

Odour No characteristic odour.

pH Status: In delivery state

Value: > 13,0

Status: In aqueous solution

Value: ~ 12,5 Comments: 0 °dH Concentration: 2 %

Melting point / melting range Comments: Not relevant.

Freezing point Value: -20 °C

Boiling point / boiling range Comments: Not relevant.

Flash point Comments: Not relevant.

Evaporation rate Comments: Not relevant.

Flammability Not relevant.

Explosion limit Comments: Not relevant.

Vapour pressure Comments: Not relevant.

Vapour density Comments: Not relevant.

Bulk density Value: ~ 1,25 kg/l.

Solubility Comments: Completely soluble in water.

Partition coefficient: n-octanol/

water

Comments: Not relevant.

Auto-ignition temperature Comments: Not relevant.

Decomposition temperature Comments: Not relevant.

Cip Luren 22 - Version 1 Page 9 of 15

Viscosity Value: < 50 mPa s

Explosive properties Not explosive.

Oxidising properties Does not meet the criteria for oxidising.

#### 9.2. Other information

# 9.2.2. Other safety characteristics

Comments No data recorded.

# **SECTION 10: Stability and reactivity**

# 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

# 10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

# 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts violently with strong acids. Do not add water directly to the product. It

may cause a violent reaction. Risk of bumping (splashes).

#### 10.4. Conditions to avoid

Conditions to avoid Heating. Extremes of temperatures. Avoid contact with acids.

# 10.5. Incompatible materials

Materials to avoid Strong acids. Acids, oxidising. Alkali-sensitive metals such as aluminium, tin, lead

and zinc and alloys with these metals.

# 10.6. Hazardous decomposition products

Hazardous decomposition

products

In case of fire, toxic gases (CO, CO2, NOx) may be formed.

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

Substance Potassium Hydroxide

Acute toxicity Effect tested: LD50

Route of exposure: Oral Value: 333 mg/kg Animal test species: Rat Test reference: OECD 425

Substance Potassium silicate

Acute toxicity Type of toxicity: Acute

Effect tested: LD50

Cip Luren 22 - Version 1 Page 10 of 15

> Route of exposure: Oral Value: > 5000 mg/kg bw Animal test species: Rat

Substance

2-Phosphonobutan-1,2,4-tricarboxylic acid

Acute toxicity

Effect tested: LD50 Route of exposure: Oral

**Duration: -**

**Value:** > 6500 mg/kg Animal test species: Rat

Effect tested: LD50

Route of exposure: Dermal

**Duration: -**

**Value:** > 4000 mg/kg Animal test species: Rat

Effect tested: LC50

Route of exposure: Inhalation.

Duration: 4h

Value: > 1979 mg/m3 Animal test species: Rat

Other toxicological data

Toxicological tests on the product has not been performed.

# Other information regarding health hazards

Assessment of acute toxicity,

classification Substance

No evidence for acute toxicity.

Eye damage or irritation, test

results

Evaluation result: Result: Irritation to eye.

2-Phosphonobutan-1,2,4-tricarboxylic acid

Inhalation

Aerosols may be corrosive. Inhalation may cause: Serious damage to the lining of

nose, throat and lungs.

Skin contact Strongly corrosive. May cause deep tissue damage.

Eye contact Strongly corrosive. Causes severe burns. Immediate first aid is imperative. May

cause permanent damage to the eyes, especially if the product is not washed

away IMMEDIATELY.

Ingestion Strongly corrosive. Even small amounts may be fatal. Symptoms are severe

burning pains in mouth, throat and stomach.

Sensitisation No evidence for respiratory nor skin sensitization.

Assessment of germ cell mutagenicity, classification

No evidence for germ cell mutagenicity.

Assessment of carcinogenicity,

classification

No evidence for carcinogenicity.

Assessment of reproductive

toxicity, classification

No evidence for reproductive toxicity.

Assessment of specific target organ toxicity - single exposure,

No evidence for STOT-single exposure.

classification

Cip Luren 22 - Version 1 Page 11 of 15

Assessment of specific target

organ toxicity - repeated exposure,

Assessment of aspiration hazard,

classification

classification

No evidence for STOT-repeated exposure.

No evidence for aspiration hazard.

# Symptoms of exposure

Symptoms of overexposure

No specific symptoms noted.

#### 11.2 Other information

**Endocrine disruption** No evidence for endocrine disrupting properties.

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Substance Potassium Hydroxide

Aquatic toxicity, fish Value: 80 mg/l

> Test duration: 96 hour(s) **Species: GAMBUSIA AFFINIS**

Method: LC50

Substance Potassium silicate

Aquatic toxicity, fish Toxicity type: Acute

Value: > 146 mg/l

Exposure time: 48 hour(s)

Species: Leuciscus idus melanotus

Method: LC50

Substance 2-Phosphonobutan-1,2,4-tricarboxylic acid

Aquatic toxicity, fish Toxicity type: Acute

> Value: > 500 mg/l Test duration: 48 hour(s) Species: Danio rerio

Method: OECD TG 204 LC50

Toxicity type: Chronic **Value:** > 500 mg/l Exposure time: 14 day(s) Species: Danio rerio

Method: OECD TG 204 NOEC

Substance 2-Phosphonobutan-1,2,4-tricarboxylic acid

Aquatic toxicity, algae Toxicity type: Acute **Value:** > 500 mg/l

Test duration: 72 hour(s)

Species: Desmodesmus subspicatus

Method: ErC 50

Toxicity type: Acute **Value:** > 16,65 < 32,75 mg/l

Species: Desmodesmus subspicatus

Cip Luren 22 - Version 1 Page 12 of 15

Method: EC10

Substance Potassium silicate

Aquatic toxicity, crustacean Toxicity type: Acute

Value: > 146 mg/l

Exposure time: 24 hour(s) Species: Daphnia magna

Method: EC50

Substance 2-Phosphonobutan-1,2,4-tricarboxylic acid

Aquatic toxicity, crustacean Toxicity type: Acute

> Value: > 535,5 mg/l Test duration: 48 hour(s) Species: Daphnia magna Method: EC50 OECD TG 202

Toxicity type: Chronic Value: 52 mg/l

Exposure time: 21 day(s) Species: Daphnia magna Method: OECD 211 NOEC

**Ecotoxicity** Large amounts of the product may affect the acidity (pH-factor) in water with

possible risk of harmful effects to aquatic organisms.

# 12.2. Persistence and degradability

Persistence and degradability

description/evaluation

Substance

The product is easily biodegradable.

2-Phosphonobutan-1,2,4-tricarboxylic acid Biodegradability

Value: 30 - 40 % Method: OECD 302A Test period: 28 day(s)

Chemical oxygen demand (COD) Value: < 50

Comments: mg O2/ g.

# 12.3. Bioaccumulative potential

Bioaccumulation, evaluation The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is water soluble and may spread in water systems.

# 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

Not Classified as PBT/vPvB by current EU criteria.

#### 12.6. Endocrine disrupting properties

Endocrine disrupting properties No evidence for endocrine disrupting properties. Cip Luren 22 - Version 1 Page 13 of 15

#### 12.7. Other adverse effects

Additional ecological information For this product no classification is required for environmental hazards.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical

Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

Dispose of waste and residues in accordance with local authority requirements.

-

Appropriate methods of disposal for the contaminated packaging

Dispose unused product and the packaging in accordance with local

requirements.

EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents,

disinfectants and cosmetics Classified as hazardous waste: Yes

EWL packing EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents,

disinfectants and cosmetics Classified as hazardous waste: Yes

Other information Waste code applies to product remnants in pure form.

When handling waste, consideration should be made to the safety precautions

applying to handling of the product.

# **SECTION 14: Transport information**

Dangerous goods Yes

#### 14.1. UN number

ADR/RID/ADN 1719

IMDG 1719

ICAO/IATA 1719

# 14.2. UN proper shipping name

Proper shipping name English

ADR/RID/ADN

CAUSTIC ALKALI LIQUID, N.O.S.

Technical name/Danger releasing substance English ADR/RID/ADN

Potassium Hydroxide

ADR/RID/ADN

CAUSTIC ALKALI LIQUID, N.O.S.

Technical name/danger releasing

substance ADR/RID/ADN

Potassium Hydroxide

**T. I.** (I. )

IMDG

ICAO/IATA

CAUSTIC ALKALI LIQUID, N.O.S.

Technical name/danger releasing

substance IMDG

Potassium Hydroxide

Technical name/danger releasing

substance ICAO/IATA

CAUSTIC ALKALI LIQUID, N.O.S.

Potassium Hydroxide

Cip Luren 22 - Version 1 Page 14 of 15

# 14.3. Transport hazard class(es)

ADR/RID/ADN 8
Classification code ADR/RID/ADN C5
IMDG 8
ICAO/IATA 8

# 14.4. Packing group

ADR/RID/ADN II
IMDG II
ICAO/IATA II

#### 14.5. Environmental hazards

IMDG Marine pollutant No

# 14.6. Special precautions for user

Special safety precautions for user Not relevant.

# 14.7. Maritime transport in bulk according to IMO instruments

Product name CAUSTIC ALKALI LIQUID, N.O.S.

#### **Additional information**

Hazard label ADR/RID/ADN 8
Hazard label IMDG 8
Hazard label ICAO/IATA 8

#### ADR/RID Other information

Tunnel restriction code E

Transport category 2

Hazard No. 80

# **IMDG Other information**

EmS F-A, S-B

# **SECTION 15: Regulatory information**

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

Other label information For professional users only.

As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Cip Luren 22 - Version 1 Page 15 of 15

Legislation and regulations

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). 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.

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

# 15.2. Chemical safety assessment

Chemical safety assessment performed

No

# **SECTION 16: Other information**

List of relevant H-phrases (Section

tion H290 May be corrosive to metals.

2 and 3)

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.

Change to Sections: 1, 2, 3, 7, 8, 9, 11, 12, 15, 16

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

Training advice

No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Additional information

READY-TO-USE MIXTURE: 1-2% H314 Causes severe skin burns and eye damage.

Information added, deleted or

revised Version

1

Prepared by

ALM