SAFETY DATA SHEET CLEANACIDAL

According to EC Regulation 1907/2006/EC - revision 453/2010 (REACH)

Revision No. 1

Print Date 04/06/2015 **Creation Date** 02/02/2015 **Revision Date** 02/02/2015

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name	CLEANACIDAL
Product Code	0694GX1 (CLP)

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

Recommended use

Cleaner. Disinfectant.

1.3. Details of the supplier of the safety data sheet

NCH Belgium Inc.
Lennikse Baan 451,
B-1070 Anderlecht
Tel.: (02) 255 94 30

E-mail address	nchbe@nch.com
Website address	www.ncheurope.com

1.4. Emergency telephone number

Tel: 32 2 255 94 30 (available during Office Hours)

POISON CENTRE Bruxelles : Tel. : 070 / 245 245 POISON CENTRE Bruxelles : Tel. : 070 / 245 245 POISON CENTRE Brussels - Tel: 070 / 245 245

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Skin irritation: Category 2
Serious damage to eyes: Category 1
Aquatic acute: Category 1
H315 - Causes skin irritation
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life

Classification according to EU Directive 67/548EEC - 1999/45 EC

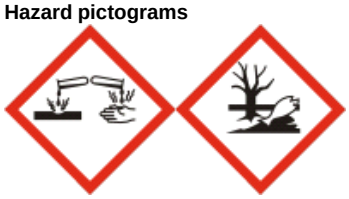
Xi - Irritant
N - Dangerous for the environment
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains ALCOHOLS, C12-14, ETHOXYLATED & QUATERNARY AMMONIUM COMPOUNDS BENZYL C12-16 ALKYL DIMETHYL CHLORIDES.

Hazard pictograms



Signal word DANGER

Hazard Statements

H315 - Causes skin irritation
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life

Precautionary Statements

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
P273 - Avoid release to the environment

P391 - Collect spillage
P280 - Wear protective gloves/protective clothing/eye protection.
For industrial and institutional use only.
Keep out of reach of children.
Use biocides safely. Always read the label and product information before use.
(SDS ONLY)
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents / container to hazardous or special waste collection point in accordance with local regulation.

2.3. Other hazards

No additional hazards identified.
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Component	CAS-No.	EC No.	EU - REACH reg number	Weight percent	Classification	EU - GHS/CLP Classification	Notes
ALCOHOLS, C12-14, ETHOXYLATED	68439-50-9		02-2119552455-37	5 - < 10	Xn; R22 R41		
QUATERNARY AMMONIUM COMPOUNDS BENZYL C12-16 ALKYL DIMETHYL CHLORIDES	68424-85-1	270-325-2	Biocidal active	3 - < 5	C; R34 Xn; R21/22 N; R50		
FATTY ACID AMIDO ALKYL BETAINE	61789-40-0	263-058-8	.	3 - < 5	Xi; R36/38		
ALCOHOLS C13-15 ETHOXYLATED (C13-15 PARETH-11)	157627-86-6		.	1 - < 3	Xn; R22 R41		
SODIUM SILICATE	1344-09-8	215-687-4	01-2119448725-31	1 - < 3	Xi; R38-41		
ALCOHOLS, C9-11-ISO-, C10-RICH, ETHOXYLATED	78330-20-8		.	1 - < 3	Xi; R41		
TETRASODIUM EDTA	64-02-8	200-573-9	01-2119486762-27	1 - < 3	Xi; R41 Xn; R20/22	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	
SODIUM CARBONATE	497-19-8	207-838-8	01-2119485498-19	1 - < 3	Xi; R36	Eye Irrit. 2 (H319)	

An M-Factor of 10 for CAS68424-85-1 has been considered for the classification of this product. For any H statements and R phrases mentioned in this section, see the full text in section 16. The GHS/CLP classification for substances are listed once they have been harmonised according to the REACH Regulation No 1907 / 2006.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice
Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Get medical attention immediately if symptoms occur.
Eye Contact
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion
Rinse mouth with water. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.
Inhalation
Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. If exposed to high concentrations of the vapours / mists, move to fresh air.

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

Sensitisation
No information available.
Eye contact
May cause burns which could lead to permanent eye damage.
Skin contact
May cause irritation as itching or redness.
Inhalation
Inhalation of mists may result in irritation to the respiratory tract.

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

Notes to physician
Causes eye burns.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Water spray. Foam. Carbon dioxide (CO2). Dry powder.

5.2. Special hazards arising from the substance or mixture
When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Sodium oxides.
Material can create slippery conditions. Possibility of harm to the aquatic life. Avoid release into the environment.

5.3. Advice for firefighters
Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. Ventilate the area.

6.2. Environmental precautions
Avoid release of neat product into surface water and sanitary sewage system. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up
Methods for Containment
Contain spillage, soak up with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)
No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits
For substances.

8.2. Exposure controls
Control parametres
Provide an eyewash station. Provide washing facilities.
Engineering Measures
Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Use personal protection equipment as per Directive 89/686/EEC.
Respiratory Protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 143 eg P2 / P3 Particle filters.
Hand Protection
Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Short term use eg occasional contact or splash protection ;. Nitrile rubber (0.4 mm). PVC (0.7mm). Long term use eg continuous wear or immersion ;. Neoprene gloves (0.4 mm). Minimum breakthrough time of the glove material (protective index 4, breakthrough time: >120 min). For break through times, refer to glove manufacturers recommendations.
Eye Protection
Safety glasses with side-shields. Approved to EN 166. For large volumes, faceshields should be used.
General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of workday.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Amber	**Specific Gravity**	1.06
Physical State	Liquid	**Solubility**	Soluble in water
Odour	Slight	**Autoignition Temperature**	Not combustable.
pH	11.45	**Viscosity**	Fluid
Melting Point/Range	-5 °C	**Explosive properties**	No information available
Boiling Point/Range	100 °C	**Oxidizing Properties**	No information available.
Flash Point	Not relevant	**VOC Content (%)**	0.2 %
Evaporation Rate	No information available.		
Flammability Limits in Air %	Not applicable.		
Vapour Pressure	No information available.		
Vapor Density	No information available.		

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

No conditions to be specially mentioned.

10.5. Incompatible materials

Oxidising agents. Reducing agents. Strong acids. Anionic surfactants.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Sodium oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

The product itself has not been tested.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
QUATERNARY AMMONIUM COMPOUNDS BENZYL C12-16 ALKYL DIMETHYL CHLORIDES	397.5 mg/kg (rat)	3412 mg/kg (rabbit)	
FATTY ACID AMIDO ALKYL BETAINE	= 4900 mg/kg (Rat)		
SODIUM SILICATE	= 1153 mg/kg (Rat)		
TETRASODIUM EDTA	= 1658 mg/kg (Rat)		
SODIUM CARBONATE	= 4090 mg/kg (Rat)		= 2300 mg/m^3 (Rat) 2 h

Sensitisation

No information available.

Skin contact

May cause irritation as itching or redness.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract.

Eye contact

May cause burns which could lead to permanent eye damage.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

Ecotoxicity effects

Contains substance(s) known to be hazardous to the aquatic environment.

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
QUATERNARY AMMONIUM COMPOUNDS BENZYL C12-16 ALKYL DIMETHYL CHLORIDES	LC50 0.515 mg/l	EC50 0.016 mg/l	EC50 0.03 mg/l NOEC 0.009 mg/l
FATTY ACID AMIDO ALKYL BETAINE	LC50 = 2 mg/L Brachydanio rerio 96 h	= 6.5 mg/L 48 h	EC50 = 0.55 mg/L Desmodesmus subspicatus 96 h
SODIUM SILICATE	LC50 301-478 mg/L Lepomis macrochirus 96 h LC50 = 3185 mg/L Brachydanio rerio 96 h	= 216 mg/L 96 h	
TETRASODIUM EDTA	LC50 = 41 mg/L Lepomis macrochirus 96 h LC50 = 59.8 mg/L Pimephales promelas 96 h	= 610 mg/L 24 h	EC50 = 1.01 mg/L Desmodesmus subspicatus 72 h
SODIUM CARBONATE	LC50 310 - 1220 mg/L Pimephales promelas 96 h LC50 = 300 mg/L Lepomis macrochirus 96 h	= 265 mg/L 48 h	EC50 = 242 mg/L Nitzschia 120 h

12.2. Persistence and degradability

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.

12.3. Bioaccumulative potential

Not likely to bioaccumulate. Component information below.

12.4. Mobility in soil

Soluble in water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

07 06 01* aqueous washing liquids and mother liquors

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.

IMDG/IMO

UN-No	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
EmS	F-A, S-F

ADR / RID

UN-No	UN3082
Hazard Class	9
Packing Group	III
Classification Code	M6
Limited Quantity	5 L
Transport Cat. (Tunnel Restriction Code)	3 (E)

IATA/ICAO

UN-No	UN3082

Hazard Class	9
Packing Group	III
ERG Code	9L

14.5. Environmental hazards
The mixture is environmentally hazardous for transport
Product is a marine pollutant according to the criteria set by IMDG/IMO
14.6. Special precautions for user
No special precautions.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Packaged product, not typically transported in IBC's.
Additional information
The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.
The preparation is classified as dangerous in accordance with Directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account. This is a detergent product and complies with the Detergent Regulation (EC) No.648/2004. This product is for use as a biocide.
Environment Code - Classified Installations: Applicable in amounts (FRANCE ONLY): Table of occupational illnesses (FRANCE ONLY):

Component	RG
QUATERNARY AMMONIUM COMPOUNDS BENZYL C12-16 ALKYL DIMETHYL CHLORIDES	RG 65,RG 66

WGK Classification
Water-endangering (WGK 2), Classification according VwVwS
Labelling for contents (REGULATION (EC) No 648/2004 - 907/2006):
5 - 15% non-ionic surfactants, < 5% phosphates, < 5% amphoteric surfactants, < 5% EDTA and salts thereof, disinfectants
Biocide Labelling (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 - Directive 98/8/EC)
Active ingredient(s): QUATERNARY AMMONIUM COMPOUNDS, BENZYL C12-16 ALKYL DIMETHYL CHLORIDES 50 g/kg Product Type: PT 02 PT 04

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3
H302 - Harmful if swallowed. H318 - Causes serious eye damage. H319 - Causes serious eye irritation.
Text of R phrases mentioned in Section 3
R22 - Harmful if swallowed. R34 - Causes burns. R36 - Irritating to eyes. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R50 - Very toxic to aquatic organisms. R21/22 - Harmful in contact with skin and if swallowed. R36/38 - Irritating to eyes and skin.
Prepared By Austen Pimm
Creation Date 02/02/2015
Revision Date 02/02/2015
Revision Summary
CLP update.

Abbreviations
REACH: Registration Evaluation Authorisation Restriction of Chemicals
EU: European Union
EC: European community
EEC: European Economic Community
UN: United Nations
CAS: Chemical Abstracts Service
PBT: Persistent Bioaccumulative Toxic
vPvB: very Persistent very Bioaccumulative
LC50: Lethal concentration, 50 percent
LD50 : Lethal dose, 50 percent
EC50: Effective concentration, 50 percent
LogPow: LogP octanol/water
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)
WGK: Wassergefahrdungsklasse (Water Hazard Class - Germany).
AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Reglement international concernant le transport des merchandises dangereuses par chemin der fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
ERG: Emergency Response Guidebook
IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances
GHS: Globally Harmonised System of classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Chemical
w/w: weight for weight
DMSO: Dimethyl sulphoxide
OECD: Organization for Economic Cooperation and Development
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet