Safety Data Sheet:

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

Print Date 03/13/2015

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

1.1. Product identifier

Product Name	ALLOSIL
Product Code	EP_X008G X1 (CLP)

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

Recommended use

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

NCH Distribution s.r.o.
Průmyslová 1190
410 02 Lovosice
Czech Republic
Tel.: +420 416 429 111

E-mail address	chemcz@nch.com
Website address	www.flexfill.cz

1.4. Emergency telephone number

01902 510401 (available during Office Hours)

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 corrosion: Category 1B
Skin sensitisation: Category 1
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.

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

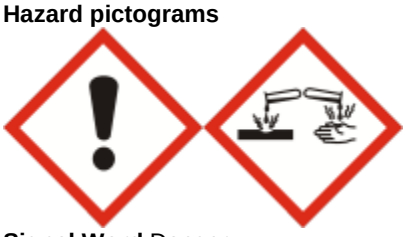
C - Corrosive
R22 - Harmful if swallowed
R35 - Causes severe burns
R43 - May cause sensitization by skin contact

2.2. Label elements

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

Contains MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Hazard pictograms



Signal Word Danger

Hazard Statements

H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.

Precautionary Statements
P260 - Do not breathe vapors.
P280 - Wear protective gloves/protective clothing/eye protection.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
For industrial and institutional use only.
Keep out of reach of children.
(SDS ONLY)
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container in accordance with local regulation

2.3. Other hazards
Due to pH level, product is classed as corrosive.
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 %	Classification	EU - GHS/CLP	Notes
SODIUM CARBONATE	497-19-8	207-838-8	01-2119485498-19	3 - < 5	Xi; R36	Eye Irrit. 2 (H319)	
TRIETHANOLAMINE (INCI)	102-71-6	203-049-8	01-2119486482-31	1 - < 3	-		
TRISODIUM NITRILOTRIACETATE (TRISODIUM NTA (INCI))	5064-31-3	225-768-6	01-2119519239-36	1 - < 3	Xn; R22 Xi; R36 Carc.Cat.3; R40	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Carc. 2 (H351)	
SODIUM NITRITE	7632-00-0	231-555-9	01-2119471836-27	1 - < 3	T; R25 N; R50 O; R8	Acute Tox. 3 (H301) Aquatic Acute 1 (H400) Ox. Sol. 3 (H272)	
MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)	55965-84-9	-	Biocide	< 0.1	T; R23/24/25 C; R34 R43 N; R50-53	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	

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
Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.
Eye Contact
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact
Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Ingestion
Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Show the label to the Doctor.

Inhalation
Move to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed
Sensitization
May cause sensitization by skin contact.
Eye contact
Corrosive. Causes burns and may lead to corneal damage and possible blindness.
Skin contact
Corrosive. Causes burns and possible deep ulcerations or scarring.
Ingestion
Ingestion may result in severe burns to the mouth, throat and digestive tract.
Inhalation
Inhalation of mists may result in severe burns to the respiratory tract.

4.3. Indication of any immediate medical attention and special treatment needed
Notes to physician
Treat symptomatically. The product causes burns of eyes, skin and mucous membranes.

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 chemical.

5.2. Special hazards arising from the substance or mixture
Thermal decomposition -. None known .
Material can create slippery conditions.

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.

6.2. Environmental precautions
Avoid release of neat product into surface water and sanitary sewage system.

6.3. Methods and material for containment and cleaning up
Methods for Containment
Contain spillage, soak up with non-combustible 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. Neutralize with an acid.

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 vapors or mists. Do not eat, drink or smoke when using this product.
Training : Due to the hazardous nature of this product, training in its use is recommended. Ensure adequate ventilation.
Anyone with a history of skin sensitization to any of the substances in this product, should refrain from handling.

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
If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level.
For substances.

Component	European Union	The United Kingdom	France	Germany	Austria
TRIETHANOLAMINE (INCI)				Peak: 20mg/m^3 TWA: 5mg/m^3	STEL: 1.6 ppm STEL: 10 mg/m^3 TWA: 0.8 ppm TWA: 5 mg/m^3
MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)				Peak: 0.4mg/m^3 TWA: 0.2mg/m^3	Skin TWA: 0.05 mg/m^3

Component	Spain	Portugal	Italy	The Netherlands	Switzerland
TRIETHANOLAMINE (INCI)	TWA: 5 mg/m^3	TWA: 5 mg/m^3			STEL: 20 mg/m^3 TWA: 5 mg/m^3
MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)					TWA: 0.2 mg/m^3

Component	Denmark	Finland	Norway	Sweden	Czech
SODIUM CARBONATE					PEL: 5mg/m^3 NPK-P: 10mg/m^3
TRIETHANOLAMINE (INCI)	TWA: 0.5 ppm TWA: 3.1 mg/m^3	TWA: 5 mg/m^3	TWA: 5 mg/m^3	5 mg/m^3 0.8 ppm	PEL: 5mg/m^3 NPK-P: 10mg/m^3

8.2. Exposure controls

Control parameters
Provide an eyewash station. Provide washing facilities. Anyone with a history of skin sensitization to any of the substances in this product, should refrain from handling.
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. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. 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). Long term use eg: continuous wear or immersion;. Solvent-resistant gloves (butyl-rubber). Fluorinated rubber. Suitability and durability of a glove is dependent upon usage factors such as frequency, duration of use, temperature and chemical resistance. The use of a chemical-protective glove may in practice be much shorter than the permeation time determined through testing. For break through times, refer to glove manufacturers recommendations.
Skin Protection
Wear suitable protective clothing.
Eye Protection
Tightly fitting safety goggles. 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 practice. Wash hands before breaks and at the end of workday.

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	Clear to light yellow.	**Specific Gravity**	1.083
Physical State	Liquid	**Solubility**	Soluble in water
Odor	No information available	**Autoignition Temperature**	No information available.
pH	12.1	**Viscosity**	Fluid
Melting Point/Range	No information available	**Explosive properties**	No information available
Boiling Point/Range	No information available	**Oxidizing Properties**	No information available
Flash Point	No information available	**VOC Content (%)**	0
Evaporation Rate	No information available		
Flammability Limits in Air %:	No information available		
Vapor 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
Strong acids. Oxidising agents. Reducing agents.
10.6. Hazardous decomposition products
None under normal storage conditions and use.
Thermal decomposition -. None known .

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
SODIUM CARBONATE	= 4090 mg/kg (Rat)		= 2300 mg/m^3 (Rat) 2 h
TRIETHANOLAMINE (INCI)	= 4190 mg/kg (Rat)	> 16 mL/kg (Rat) > 20 mL/kg (Rabbit)	
TRISODIUM NITRILOTRIACETATE (TRISODIUM NTA (INCI))	= 920 mg/kg (Rat)		> 5 mg/L (Rat) 4 h
SODIUM NITRITE	= 85 mg/kg (Rat)		= 5.5 mg/L (Rat) 4 h
MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)	457 mg/kg (rat)	660 mg/kg (rabbit)	0.33 mg/l (dust/mist; rat) 4h

Sensitization
May cause sensitization by skin contact.
Skin contact
Corrosive. Causes burns and possible deep ulcerations or scarring.

Inhalation
Inhalation of mists may result in severe burns to the respiratory tract.
Ingestion
Ingestion may result in severe burns to the mouth, throat and digestive tract.
Eye contact
Corrosive. Causes burns and may lead to corneal damage and possible blindness.
Chronic Toxicity
Inhaled corrosive substances can lead to a toxic edema of the lungs.
Carcinogenicity
Limited evidence of a carcinogenic effect.
- EU Carc.Cat.3.
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
pH values above 10.5 may be fatal to fish and other aquatic organisms.

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
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
TRIETHANOLAMINE (INCI)	LC50 10600 - 13000 mg/L Pimephales promelas 96 h LC50 450 - 1000 mg/L Lepomis macrochirus 96 h LC50 > 1000 mg/L Pimephales promelas 96 h	1386: 24 h Daphnia magna mg/L EC50	EC50 = 169 mg/L Desmodesmus subspicatus 96 h EC50 = 216 mg/L Desmodesmus subspicatus 72 h
TRISODIUM NITRILOTRIACETATE (TRISODIUM NTA (INCI))	LC50 175 - 225 mg/L Lepomis macrochirus 96 h LC50 560 - 1000 mg/L Oryzias latipes 96 h LC50 560 - 1000 mg/L Poecilia reticulata 96 h LC50 72 - 133 mg/L Oncorhynchus mykiss 96 h LC50 93 - 170 mg/L Pimephales promelas 96 h LC50 = 114 mg/L Pimephales promelas 96 h LC50 = 252 mg/L Lepomis macrochirus 96 h LC50 = 470 mg/L Pimephales promelas 96 h	560 - 1000: 48 h Daphnia magna mg/L LC50	EC50 560 - 1000 mg/L Chlorella vulgaris 96 h

SODIUM NITRITE	LC50 0.092 - 0.13 mg/L Oncorhynchus mykiss 96 h LC50 0.4 - 0.6 mg/L Oncorhynchus mykiss 96 h LC50 0.65 - 1 mg/L Oncorhynchus mykiss 96 h LC50 = 0.19 mg/L Oncorhynchus mykiss 96 h LC50 = 2.3 mg/L Pimephales promelas 96 h LC50 = 20 mg/L Pimephales promelas 96 h		
MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)	LC50 0.19 mg/l Oncorhynchus mykiss 96h	EC50 0.16 mg/l Daphnia magna 48h NOEL 0.035 mg/l 21d	EC50 0.027 mg/l Pseudokirchneriella subcapitata 72h

12.2. Persistence and degradability
Mainly an inorganic product which can not be eliminated from water through biological processes.
12.3. Bioaccumulative potential
Not likely to bioaccumulate. Component information below.

Component	log Pow
TRIETHANOLAMINE (INCI)	-2.53
SODIUM NITRITE	-3.7

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. 20 01 29* Detergents containing dangerous substances.
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	UN1760
Proper Shipping Name	Corrosive liquid, n.o.s.
Hazard Class	8
Packing Group	II
EmS No.	F-A, S-B

ADR / RID

UN-No	UN1760

Hazard Class	8
Packing Group	II
Classification Code	C9
Limited Quantity	1 L
Transport Cat. (Tunnel Restriction Code)	2 (E)

IATA/ICAO

UN-No	UN1760
Hazard Class	8
Packing Group	II
ERG Code	8L

14.5. Environmental hazards
The mixture is not environmentally hazardous for transport.
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 mixture is classified as hazardous 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.
WGK Classification
Weakly water-endangering (WGK 1), Classification according VwVwS
Detergent labelling for contents (REGULATION (EC) No 648/2004 - 907/2006):
< 5% NTA and salts thereof
preservation agent MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

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
H272 - May intensify fire; oxidizer. H301 - Toxic if swallowed. H302 - Harmful if swallowed. H311 - Toxic in contact with skin. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H331 - Toxic if inhaled. H351 - Suspected of causing cancer. H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long lasting effects.
Text of R phrases mentioned in Section 3
R 8 - Contact with combustible material may cause fire. R22 - Harmful if swallowed. R25 - Toxic if swallowed. R35 - Causes severe burns. R34 - Causes burns. R36 - Irritating to eyes. R38 - Irritating to skin. R40 - Limited evidence of a carcinogenic effect. R43 - May cause sensitization by skin contact. R50 - Very toxic to aquatic organisms. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
Calculation method. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction.
Prepared By Austen Pimm
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

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
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.

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