

# SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

### 1.1 Product identifier

**Preparation for cleaning the oven ICL-7000**

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

Relevant identified uses: Preparation for cleaning the oven

Uses advised against: not determined.

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

Producer: **Twinpol Sp. z o.o.**

Address: Lipowa 48, 87-126 Obrowo

Telephone/fax: +48 604 377 357

E-mail address for a competent person responsible for sds: [info@twinpol.pl](mailto:info@twinpol.pl)

### 1.4 Emergency telephone number

112

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Skin Corr. 1A H314, Eye Dam. 1 H318**

Causes severe skin burns and eye damage. Causes serious eye damage.

### 2.2 Label elements

Hazard pictograms and signal words



**DANGER**

Names of substances mentioned on label

Contains: sodium hydroxide; 2-aminoethanol.

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): 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/doctor.

Additional information

EUH208 Contains reaction mass 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). May produce an allergic reaction.

Components according to Reg. No 648/2004/EC on detergents:

anionic surfactants (< 5 %), amphoteric surfactants (< 5 %), perfumes, preservatives (methylchloroisothiazolinone, methylisothiazolinone, 2-bromo-2-nitropropane-1,3-diol).

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## 2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

CAS number: 1310-73-2 EC number: 215-185-5 Index number: 011-002-00-6 REACH number: 01-2119457892-27-XXXX	<u>sodium hydroxide</u> Met. Corr. 1 H290, Skin Corr. 1A H314	5-10%
CAS number: 107-98-2 EC number: 203-539-1 Index number: 603-064-00-3 REACH number: 01-2119457435-35-XXXX	<u>1-methoxy-2-propanol</u> <sup>1</sup> Flam. Liq. 3 H226; STOT SE 3 H336	1-5%
CAS number: 141-43-5 EC number: 205-483-3 Index number: 603-030-00-8 REACH number: 01-2119486455-28-XXXX	<u>2-aminoethanol</u> <sup>1</sup> Acute Tox. 4 H332; Acute Tox. 4 H312; Acute Tox. 4 H302, Skin Corr. 1B H314, STOT SE 335	1-5%
CAS number: 68891-38-3 EC number: 500-234-8 Index number: - REACH number: 01-2119488639-16-XXXX	<u>alcohols, C12-14, ethoxylated, sulfates, sodium salts</u> Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412  specific concentration limits: Eye Dam. 1: $C \geq 10\%$ ; Eye Irrit. 2: $5\% \leq C < 10\%$	1-5%
CAS number: 15763-76-5 EC number: 239-854-6 Index number: - REACH number: 01-2119489411-37-XXXX	<u>sodium p-cumenesulphonate</u> Eye Irrit. 2 H319	1-5%
CAS number: - List number: 931-513-6 Index number: - REACH number: 01-2119513359-38-XXXX	<u>1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts</u> Eye Dam. 1 H318, Aquatic Chronic 3 H412 specific concentration limits: Eye Dam. 1: $C \geq 10\%$ ; Eye Irrit. 2: $4\% \leq C < 10\%$	1-5%
CAS number: 55965-84-9 EC number: - Index number: 613-167-00-5 REACH number: -	<u>reaction mass 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)</u> Acute Tox. 3 H331, Acute Tox. 3 H311, Acute Tox. 3 H301, Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410 (M=10)	< 0,0015%

<sup>1</sup> substance with occupational exposure limits defined on the European Union level

Full text of each relevant H phrase is given in section 16 of SDS.

## Section 4: First aid measures

### 4.1 Description of first aid measures

Skin contact: contact a doctor immediately. Take off contaminated clothing. Wash contaminated skin thoroughly with water.

Eye contact: contact an ophthalmologist immediately. Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes with water for 10-15 minutes. Avoid strong stream of water – risk of damage of the cornea.

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Ingestion: rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice immediately.

Inhalation: remove the victim to fresh air. Keep warm and calm. Contact a doctor if disturbing symptoms occur.

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

Skin contact: redness, burning sensation, irritation, burns, necrosis. Skin reaction possible in susceptible individuals.

Eye contact: redness, tearing, burning sensation, irritation, risk of cornea and conjunctiva damage leading to irreversible deterioration of vision or loss of vision.

Ingestion: burns of mouth, throat, oesophagus, risk of oesophagus and stomach perforation.

Inhalation: possible respiratory tract irritation in case of formation of mists.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: adjust firefighting measures to the surrounding materials.

Unsuitable extinguishing media: water jet – risk of propagation of the flame.

### 5.2 Special hazards arising from the substance or mixture

During combustion harmful gases consisting of carbon oxides, nitrogen oxides, sulphur oxides. Do not inhale combustion products, it may cause health risk.

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that effects of the breakdown are removed only by qualified personnel. In case of large spills, isolate the exposed area. Avoid eyes contamination and prolonged skin contact. Do not walk through spilled material – risk of slipping. Ensure adequate ventilation. Wear personal protective equipment.

### 6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services if necessary.

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

Collect product using liquid binding materials (eg. sand, diatomaceous earth, universal binding substances) and place it in labelled containers. Clean the contaminated area.

### 6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid eye and prolonged skin contact. Before break and after work wash hands carefully. Use as intended. Do not inhale product vapours. Ensure adequate ventilation. Keep the unused containers tightly closed. Use adequate personal protective clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly sealed containers. Keep away from food, animal feed. Avoid direct sunlight. Containers that are opened should be properly resealed and kept upright to prevent leakage.

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## 7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Specification	TWA 8 hour	STEL 15 min
2-aminoethanol [CAS 141-43-5]	2,5 mg/m <sup>3</sup>	7,6 mg/m <sup>3</sup>
1-methoxy-2-propanol [CAS 107-98-2]	375 mg/m <sup>3</sup>	568 mg/m <sup>3</sup>

Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EU, 2017/164/EU

#### Recommended control procedures

Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

### 8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke. Before break and after work wash hands carefully. Ensure local and/or general ventilation.

#### Hand and body protection

Use protective gloves. Recommended material for gloves: nitrile rubber with effectiveness level 3 or higher.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

#### Eye protection

Use tightly fitting protective goggles.

#### Respiratory protection

In case of normal and intended use it is not required. If the occupational exposure limit values are exceeded or in emergency situations, use the absorbing or absorbing-filtering equipment of the appropriate protective class.

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

#### Environmental exposure controls

Do not allow the large quantity of mixture to contaminate ground water, wastewater, canalization or soil.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

physical state:	liquid
colour:	colourless
odour:	characteristic
odour threshold:	not determined
pH:	> 10
melting point/freezing point:	not determined
initial boiling point and boiling range:	ca. 100 °C
flash point:	> 61 °C
evaporation rate:	not determined
flammability (solid, gas):	not applicable
upper/lower flammability or explosive limits :	not determined
vapour pressure:	not determined

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vapour density:	not determined
density:	not determined
solubility(ies):	soluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	product is not subject to auto-ignition
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not determined

### 9.2 Other information

No additional test results.

## Section 10: Stability and reactivity

### 10.1 Reactivity

Product is reactive. Product does not undergo a dangerous polymerization. See also subsection 10.3 and 10.5.

### 10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

### 10.3 Possibility of hazardous reactions

Product reacts exothermically with acids. In reaction with metals hydrogen may be released.

### 10.4 Conditions to avoid

Avoid sources of warmth, direct sunlight.

### 10.5 Incompatible materials

Strong oxidizers, acids, metals.

### 10.6 Hazardous decomposition products

Not known.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

#### Acute toxicity

The acute toxicity estimate (ATE<sub>mix</sub>) for the classification of a substance in a mixture was determined using the appropriate conversion value from Table 3.1.2 in Annex I to CLP.

ATE<sub>mix</sub> (oral) > 2000 mg/kg

ATE<sub>mix</sub> (skin) > 2000 mg/kg

ATE<sub>mix</sub> (inhalation) > 20 mg/l

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Causes severe skin burns may cause necrosis.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitization

Based on available data, the classification criteria are not met. However, the product contains component, which may cause allergic reaction in susceptible individuals.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

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## Carcinogenicity

Based on available data, the classification criteria are not met.

## Reproductive toxicity

Based on available data, the classification criteria are not met.

## STOT-single exposure

Based on available data, the classification criteria are not met.

## STOT-repeated exposure

Based on available data, the classification criteria are not met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

## Section 12: Ecological information

### 12.1 Toxicity

Product is not classified as hazardous for the environment.

### 12.2 Persistence and degradability

Surfactants used in the product are biodegradable.

### 12.3 Bioaccumulative potential

Bioaccumulation is not expected.

### 12.4 Mobility in soil

The product is mobile in soil and in the aquatic environment.

### 12.5 Results of PBT and vPvB assessment

Substances contained in the product are not classified as PBT or vPvB.

### 12.6 Other adverse effects

Product has no influence on global warming and destruction of the ozone layer.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal methods for the mixture: disposal in accordance with the local legislation. Store residues in original containers. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely empty containers can be reused.

Legal basis: Directive 2008/98/EC, 94/62/EC.

## Section 14: Transport information

### 14.1 UN Number

UN 1719

### 14.2 UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

### 14.3 Transport hazard class(es)

8

### 14.4 Packing group

II

### 14.5 Environmental hazards

The mixture is not dangerous to the environment in accordance with transport regulations.

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## 14.6 Special precautions for user

Use personal protective measures.

## 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

## Section 15: Regulatory information

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

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)

**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 (EEC) 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 as amended.

**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 (Text with EEA relevance) as amended.

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste

### 15.2 Chemical safety assessment

Chemical safety assessment for the mixture was not carried out.

## Section 16: Other information

### Full text of indicated H phrases mentioned in section 3

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Aquatic Acute 1	Hazardous to the aquatic environment, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, category 3

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Eye Dam. 1	Serious eye damage/eye irritation, category 1
Eye Irrit. 2	Serious eye damage/eye irritation, category 2
Flam. Liq. 3	Flammable liquid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Skin Corr. 1A	Skin corrosion/irritation, category 1A
Skin Corr. 1B	Skin corrosion/irritation, category 1B
Skin Irrit. 2	Skin corrosion/irritation, category 2
Skin. Sens. 1	Skin sensitization category 1
STOT SE 3	Specific target organ toxicity — single exposure, category 3

### Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Personnel related with the transport of hazardous substances in accordance with the ADR agreement should be trained and should obtain proper certification in a range of their obligations (general training, workplace training, safety training).

### Key literature references and data sources

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (e.g. ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation.

### Classification and procedures used to classify the mixture in accordance with Reg. EC 1272/2008

Classification was based on physico-chemical data and data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.