

**BUILD GC 136***according to* (EC) No 1272/2008

REVISION DATE:30.05.2016

PRINTING DATE: 30.05.2016

REVISION: 1

MSDS NO: F.136

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

<u>PRODUCT NAME</u>	BUILD GC 136
<u>INTENDED USE</u>	Concentrate Surface Cleaner Bleach-added
<u>MANUFACTURER / SUPPLIER NAME AND ADDRESS;</u>	
<u>COMPANY NAME</u>	LABOORY KİMYA TEMİZLİK MADDELERİ PLASTİK SAN. VE TİC. LTD. ŞTİ. İkitelli OSB Mah. Metal İş Sanayi Sitesi 18. Blok No:10/10 Başakşehir / İstanbul.
Web e-mail:	www.laboory.com
<u>PRODUCTION COMPANY;</u>	
<u>COMPANY NAME</u>	ENDEKS KİMYA A.Ş. Adnan Kahveci Mah. Davutpaşa Cad. No:17 Beylikdüzü/İSTANBUL E-posta: info@endekskimya.com , Web : www.endekskimya.com

Web e-mail:

Phone: +90 212 856 13 66

EMERGENCY INFORMATION (UZEM): 114**Information for the Product about Person :** Lokman Çolak**Information for the MSDS about Person msds writer** Sinem Yazıcıe- mail adress : lokmancolak@endekskimya.com , laboratuar@endekskimya.com**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**Classification according to Directive 1999/45/EC (DPD):Xi; R36/38No environmental classification**Classification according to Regulation (EC) No 1272/2008 (CLP):**Skin Corr. 1B H314Aquatic Acute 1 H400**Hazard statement:**H314 – Causes severe skin burns and eye damage.H400 – Very toxic to aquatic life.**2.2. Label elements**Hazard pictogram/ Signal word:



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ATTENTION

Precautionary statement:

P391 – Collect spillage.

P405 – Store locked up.

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.

P273 – Avoid release to the environment.

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

P301 + P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting

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

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.

P501 – Dispose of contents/container to

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.

Read the instructions carefully

Keep away from children

Wear gloves when using.

Keep away from food

Do not mix with any other product or material .

After washing your dishes and your laundry rinse with plenty of water .

Avoid prolonged contact with detergent in hand in order to protect the skin

Do not use in combination with other cleaning products.

Nitric acid , hydrochloric acid, with lime is mixed with the acid as the solvent lead to hazardous gas ...

Occasionally damage the metal surface.

Test on a small hidden part of the surface before cleaning various surfaces.

In its original packaging , upright in a dry, cool and store in a well ventilated area

After the package is completely emptied and send for recycling

Prolonged inhalation in closed spaces ..

Do not expose to sunlight.



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	EC No.	CAS No	Content (%)	Classification
Sodium hypochlorite		7681-52-9	4-6	C; R34, R31, N; R50; Acute hazards to the aquatic environment 1 H400 ; Skin corrosion 1B H314 ; Corrosive to metals 1 H290
Cocamine Oxide	263-016-9	61788-90-7	< 5	Skin Corr./Irrit., 2, H315 Eye Dam./Irrit., 1, H318 Aquatic Acute, 1, H400
sodium hydroxide; caustic soda	215-185-5	1310-73-2	< 1	C; R35 Corrosive to metals 1 H290 Skin corrosion 1A H314

For full text of the R- P Phrases indicated by codes see section 16 'Other Information'.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: In case of adverse health effects seek medical advice.

Inhalation: Move to fresh air. In case of breathing difficulties seek immediate medical advice.

Skin contact: Rinse with water. Take off all clothing contaminated by the product.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion: Rinse mouth with water, (only if the person is conscious).

Do not induce vomiting, seek medical advice immediately.

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

After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

After skin contact: Temporary irritation of the skin (redness, swelling, burning).

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes), the occurrence of these symptoms may be delayed.

After Ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur.

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

After inhalation: No special action.

After skin contact: No special action.

After eye contact: No special action.

After ingestion: Do not induce vomiting. Single administration of a non-carbonated beverage (water or tea).

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions. Commercially



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available extinguishers are suitable for fighting incipient fires. The product itself does not burn.

Extinguishing media which must not be used for safety reasons:

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products can be formed by pyrolysis and/or carbon monoxide.

5.3. Advice for firefighters

Use personal protective equipment and self-contained breathing apparatus.

6.ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Danger of slipping on spilled product.

If large amounts are released contact the fire service.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically. Rinse away residue with plenty of water.

6.4. Reference to other sections

See advice in section 8

7.HANDLING AND STORAGE

7.1. Precautions for safe handling

No special measures required if used properly.

Hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.

Protective equipment only required in case of industrial use or for large packs (not for household packs)

7.2. Conditions for safe storage, including any incompatibilities

Store dry between +5 and +30°C

Store in a cool, dry place.

Ensure that storage and workrooms are adequately ventilated.

Keep away from heat and direct sunlight.

Do not store with strongly acidic or strongly alkaline products.

7.3. Specific end use(s)

Cleansers

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Standard	LT-ppm	ST-ppm	Notes
Sodium Hydroxide			2 mg/m ³	

BIOLOGICAL LIMIT VALUES

No biological limit allocated.

OTHER EXPOSURE INFORMATION

Exposure standards for sodium hydroxide is list above. However as with all chemicals, exposure should be to the least possible levels.

ENGINEERING CONTROLS

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Use only in a well ventilated area. Where vapours or mists are generated, particularly in enclosed areas, and/or natural ventilation is inadequate, a local exhaust ventilation system is recommended.

RESPIRATORY PROTECTION

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision.

EYE PROTECTION

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken.

HAND PROTECTION

Wear gloves of impervious material.

BODY PROTECTION

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

<u>Appearance</u>	Clear liquid.-yellowish
<u>Odour</u>	Not available
<u>Melting Point</u>	Not available
<u>Boiling Point</u>	Not available
<u>Solubility in Water</u>	Soluble
<u>Specific Gravity (gr/cm³)</u>	1,08
<u>pH Value %100</u>	: 12-14
<u>Vapour Pressure</u>	Not available
<u>Vapour Density (Air=1)</u>	Not available
<u>Flash Point</u>	Not applicable
<u>Flammability</u>	This product is not combustible.
<u>Auto-Ignition Temperature</u>	Not available
<u>Flammable Limits – Lower</u>	Not applicable
<u>Flammable Limits – Upper</u>	Not applicable

10. STABILITY AND REACTIVITY**10.1. Reactivity**

Warning! Do not mix with acidic products as release dangerous fumes (chlorine) may be released.

10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid



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Avoid heating.

10.5. Incompatible materials

Contact with acids liberates toxic gas.

10.6. Hazardous decomposition products

Heating causes decomposition and chlorine evolution.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	LD50	8.830 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Sodium hydroxide 1310-73-2	LDLo	500 mg/kg	oral oral		rabbit	

Acute dermal toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	LD50	> 20.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Sodium hydroxide 1310-73-2			dermal			

Acute inhalative toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium hydroxide 1310-73-2			inhalation			

Skin corrosion/irritation:

The mixture was classified based on data of similar tested mixtures following the EU Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures, ECHA Guidance on the application of CLP criteria and A.I.S.E. recommendations. Relevant toxicological information on the substances listed under Section 3 is provided in the following.

The product has not to be classified and labeled as corrosive based on data of an OECD 404 Test with a similar mixture.

Serious eye damage/irritation:

The mixture was classified based on data of similar tested mixtures following the EU Regulation (EC) No



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1272/2008 on the classification, labelling and packaging of substances and mixtures, ECHA Guidance on the application of CLP criteria and A.I.S.E. recommendations. Relevant toxicological information on the substances listed under Section 3 is provided in the following.

The product has to be classified as eye irritation category 2 based on experimental data of an OECD 437 and a modified OECD 405 Test with a similar mixture.

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Germ cell mutagenicity:

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	ambiguous	in vitro mammalian chromosome aberration test	without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	positive with metabolic activation	bacterial reverse mutation assay (e.g Ames test)	with		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	bacterial reverse mutation assay (e.g Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	ambiguous without metabolic activation		without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	positive with metabolic activation	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Sodium hypochlorite 7681-52-9	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	ambiguous	oral: gavage		mouse	
	negative	oral: gavage		rat	
	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Sodium hydroxide 1310-73-2	negative	bacterial reverse mutation assay (e.g Ames test)	no data		

Repeated dose toxicity

Hazardous substances CAS-No.	Result/Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Sodium hypochlorite 7681-52-9	50 mg/kg	oral: drinking water	90 day libitum Daily (drinking water)	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
		oral: drinking water	90 day libitum Daily (drinking water)	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	>= 5 mg/kg NOAEL F1 >= 5 mg/kg	oral: gavage		rat	OECD Guideline 415 (One-Generation Reproduction Toxicity Study)



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12.ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity (Fish):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	LC50	> 10 - 100 µg/l	Fish			OECD Guideline 203 (Fish, Acute)
Sodium hydroxide 1310-73-2	LC50	189 mg/l	Fish	48 h	Leuciscus idus melanotus	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (Daphnia):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	EC50	> 10 - 100 µg/l	Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation)
Sodium hydroxide 1310-73-2	EC50	> 100 mg/l	Daphnia		Daphnia sp.	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Toxicity (Algae):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium hypochlorite 7681-52-9	EC50	0,4 mg/l	Algae	24 h	Dunaliella sp.	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	ResultValue	Route of application	Degradability	Method
Alkyl EO sulfate-Na C12-14 2+2,35EO 68891-38-3	readily biodegradable	no data	> 60 %	OECD 301 A - F

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

No data available.



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12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

12.6. Other adverse effects

Other adverse effects of this product for the environment are not known to us.

13.DISPOSAL CONSIDERATIONS**Product disposal:**

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Only completely empty containers are to be disposed of as recoverable materials.

14.TRANSPORT INFORMATION

ADR / RID Class 8

UN no UN 1760

Packaging Group III

Identification CORROSIVE LIQUID, N. O. S. (SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE, Sodium Hydroxide)

IMDG / IMO Class 8

UN no UN 1760

Packaging Group III

Identification CORROSIVE LIQUID, N. O. S. (SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE, Sodium Hydroxide)

IATA / ICAO Class 8

UN no UN 1760

Packaging Group III

Identification CORROSIVE LIQUID, N. O. S. (SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE, Sodium Hydroxide)

15.REGULATORY INFORMATION

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

Authorisations or restrictions (Regulation (EC) No 1272/2008

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

Declaration of ingredients according to Detergent Regulation 648/2004/EC

Ürün Bileşimi / Ingredients: % 4 -6 Sodyum hipoklorit(Sodium hypochlorite) CAS No: 7681-52-9, < %5 sodyum hidroksit(sodium hydroxide) CAS NO: 1310-73-2, noniyonik yüzey aktif(nonionic active matter),sabun(soap), parfüm(perfume).

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

16.OTHER INFORMATION

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:



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R31 Contact with acids liberates toxic gas.

R34 Causes burns.

R35 Causes severe burns.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Further information:

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intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties

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