

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name	RETAINER STRONG 6638
Article number	A-242 – 10g A-860 – 20g A-877 – 50g

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

identified uses:	A technical adhesive for mounting bearings, pins and loose-fitting gears from 0,2 mm to 0,5 mm.
uses advised against:	-

1.3. Details of the supplier of the safety data sheet

Manufacturer:	NALMAT-Trzebinia Marian Krzyworzeka ul. Kościuszki 88 32-540 Trzebinia tel. +48 32 612 10 10 fax. +48 32 612 10 66 www.technicqll.pl office@technicqll.pl jakosc@technicqll.pl
---------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

1.4. Emergency telephone number:

+ 48 (032) 711 53 27 during normal office hours - Monday - Friday 6.00am - 2.00pm
112

2. Hazards identification

2.1. Classification of the substance or mixture

Human health hazards:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation.
-----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Environmental hazards:	Harmful to aquatic life with long lasting effects.
------------------------	----------------------------------------------------

Physical and chemical hazards:	
--------------------------------	--

2.2. Label elements:

Warning symbol:



DANGER

EUH208 - Contains: α,α -dimethylbenzyl hydroperoxide (No. EC: 201-254-7) and ethyl methacrylate (No. EC: 202-597-5) .. May cause occurring allergic reaction.

H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
H332 – Harmful if inhaled.
H335 – May cause respiratory irritation.
H412 – Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

P102 – Keep out of reach of children.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
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.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P501 – Dispose of contents/container to a mine waste dump.

2.3. Other hazards

PBT – lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.
vPvB - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

3. Composition/information on ingredients

3.1. Substance: -

3.2. Mixtures

Description	CAS	EC	REACH	Content %	Classification
α,α -dimethylbenzyl hydroperoxide	80-15-9	201-254-7	01-2119475796-19-0002	<5	Org. Perox. E H242, Acute Tox. 3, H331, Acute Tox. 4, H312, Acute Tox. 4, H302, Skin Corr. 1B, H314, STOT RE. 2, H373, Aquatic Chronic 2, H411. (For: c<5%: Acute Tox.4, H332, STOT SE.3, H335, Skin Irrit.2, H315, Eye Dam.1, H318, Aquatic Chronic 3, H412)
N,N-dimethyl-p-toluidine	99-97-8	202-805-4	01-2119937766-23-0000	0-0,5	Acute Tox.3, H331, H311, H301 STOT RE.2, H373, Aquatic Chronic3, H412
cumene	98-82-8	202-704-5	01-2119473983-24-0015	0-0,5	Flam.Liq.3, H226, Asp. Tox.1, H304 STOT SE.3, H335 Aquatic Chronic 2, H411
ethyl methacrylate	97-63-2	202-597-5	01-2119490215-40-0002	30-40	Flam. Liq.2, H225, Eye Irrit.2, H319 STOT SE.3, H335, Skin Irrit.2, H315 Skin Sens.1, H317

4. First aid measures

4.1 Description of first aid measures

After eye contact: in case of contact flush eyes immediately with plenty of water and seek medical attention.

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

After skin contact:	wash skin with warm water and soap. In case of skin irritation seek medical attention.
After inhalation:	fresh air and rest if symptoms persist seek medical attention.
After swallowing:	rinse mouth with plenty of water and seek medical attention. Show the package or label.

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

-

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

The decision of the method of further procedure should be made by a doctor after exact assessment of victim's conditions.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, foam, or carbon dioxide.

Unsuitable extinguishing measures: strong water jet.

5.2. Special hazards arising from the substance or mixture

Irritating organic vapours may be formed.

5.3. Advice for firefighters

Wear self contained breathing apparatus and protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the staff removing the results of accident: Limit access of outsiders to the accident area until cleaning operation is finished. Avoid pollution of eyes and skin. Ensure good ventilation.

For person liquidating results of accident: Make sure that damage repair and its effects are carried out only by a well trained staff.

6.2. Environmental precautions:

Don't allow to enter soil, sewage system, surface or ground waters.

6.3. Methods and material for containment and cleaning up:

In case of spilling wipe or scrape or cover and blend with inert material (sand) and take up mechanically in suitable containers adding water in order to cure. Disposal in accordance with local regulations.

6.4. Reference to other sections

Information concerning safe holding – section / chapter 7.

Information concerning personal protective equipment - section / chapter 8.

Information concerning utilisation - section / chapter 13.

7. Handling and storage

7.1. Precautions for safe handling:

Ensure a good ventilation in a work place. Avoid spilling. Avoid contamination of skin and eyes. Prolonged and repeated breathing of the vapours may cause irritation of inhalation system. Avoid contamination of skin. May cause sensitiveness at allergic persons.

7.2. Conditions for safe storage, including any incompatibilities

Keep in cold, dry and well ventilated work place in tightly closed containers between 5°C - 25°C. Keep away from food. Keep out of direct sunlight. The lower temperature of storage the longer durability of the adhesive. Do not keep near sources of ignition. Do not smoke.

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

7.3. Specific end use(s)

-

8. Exposure controls/personal protection

The personal protection media should fulfil the requirements of instructions of the Cabinet of 21.12.2005 (Dz. U. No. 259, pos. 2173) Directive 89/686/WE (together with later changes). The employer is obliged to ensure measures of personal protection suitable for activities that are made and their cleaning and maintenance.

8.1. Control parameters

Control of risk	NDS(mg/m ³)	NDSCH(mg/m ³)
Cumene	100	250

8.2. Exposure controls

Observe the general rules of hygiene and safety. Ensure good ventilation in a work place. During work do not eat, drink and smoke tobacco. Wash hands before breaks and at the end of work. Avoid contacts with eyes.

Breathing equipment:

No special protection is required, one should not breathe the product vapours.

Protection of hands and body:

No special protection is required, but in order to minimize risk, it is recommended to use gloves and protective clothing and work boots.

Eye protection:

No special protection is required, but in order to minimize risk, it is recommended to use protective glasses.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Psychical state	Liquid
Density	1,1 g/cm ³
Boiling point	>100°C
Ignition point	>81°C
Self-ignition point	-
Odour	Characteristic
Solubility in water	Insoluble
Solubility in ketones and esters	-
Dynamic viscosity at 25°C	2500-3500 m Pas
Colour	Green

9.2. Other information

Lack of additional tests.

10. Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable in normal conditions of storage, handling and use.

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

10.3. Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4. Conditions to avoid

Avoid contacts with water and alkaline materials. Danger of polymerization may occur if the adhesive is mixed with amines or water. The component does not decompose if it is stored in accordance with the recommendations.

10.5. Incompatible materials

No data.

10.6. Hazardous decomposition products

Do not occur if the material is stored properly.

11. Toxicological information

11.1. Information on toxicological effects

on the skin:	Possible irritation of skin (degreasing, inflammation).
on the eye:	Possible irritation of eyes.
after swallowing:	-
after inhalation	-

12. Ecological information

12.1. Toxicity

No data.

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

Easily absorbed in soil.

12.5. Results of PBT and vPvB assessment

PBT	Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.
vPvB	Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

12.6. Other adverse effects

The product does not dissolve in water. Avoid penetration of the product into sewage system and ground water. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

13.1. Waste treatment methods

Product waste: cover the arisen waste an absorptive material e.g. sand, diatomaceous earth, sawdust – take up and collect in closed containers and undergo neutralization in accordance with local and state regulations.

Packaging waste: completely empty the packaging and transfer to specialized firm to recuperate or recycling the material.

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

Waste code:

08 04 09 Waste adhesives and sealants contain no organic solvents or other dangerous substances.
15 01 10 Packaging containing residues of dangerous substances or contaminated with them.

EU Legal Instruments

Directives of European Parliament and Council 2006/12/EC and 94/62/EC, Directive of Council 91/689/EEC

State Legal Instruments

14. Transport information

14.1. UN-Number:

The product is not regarded as dangerous. It is not subject to RID/ADR regulations. It can be transported in any means of transport in hermetically closed packages.

**Land transport ADR/RID and GGVSEB
(international/state)**

Class ADR/RID – GGVSEB:

Sea transport IMDG/VSee:

-

Air transport ICAO – TI IATA – DGR:

-

14.2. Proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Hazards to environment

-

14.6. Special precautions for user

While handling the cargo, apply personal protection measures according to section 8.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15. Regulatory information

15.1. Legislation related to safety, health and environment protection specific for substance or mixture:

The regulation of European Parliament and Council (EC) no. 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH), for establishing the European Chemical Agency, changing the directive 1999/45/EC and cancelling the regulation of EEC) no.793/93 and the regulation of Committee(EC) no.1488/94, as well as the directive of council 76/769/EEC and the directives of Committee 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC,

The regulation of European Parliament and Council (EC) no.1272/2008 of 16 December 2008 concerning the classification, labeling and packing the substances and mixtures, changing and cancelling the directives 67/548/EEC and 1999/45/EC and changing the regulation (EC) no.1907/2006

The regulation of Committee (EC) no.790/2009 of 10 August 2009 adopting to the scientific and technological progress the regulation of European Parliament and Council (EC) no 1272/2008 of 16 December 2008 concerning the classification, labeling and packing the substances and mixtures

The regulation 453/2010/EU Council of 10.05.2010 changing the regulation no. 1907/2006/EU of European Parliament and Council

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2012-03-10
Update: 2017-01-25

RETAINER STRONG

concerning the registration, estimation, granting permissions and suitable limits in the range of chemicals (REACH)
The directive of European Parliament and Council no.2006/12/EC of 5 April 2006 concerning waste.
The directive of Council no. 91/689/EEC of 12 December 1991 concerning dangerous waste.
The directive of European Parliament and Council no 94/62/EU. of 20 December 1994 concerning packaging and packaging waste.

15.2. Estimation of chemical safety:

-

16. Other information

Explanation of symbols in the 3 point of Safety Data Sheet:

- H225 – Highly flammable liquid and vapour
- H315 – Causes skin irritation
- H335 – May cause respiratory irritation
- H317 – May cause an allergic skin reaction
- H319 – Causes serious eye irritation
- H314 – Causes severe skin burns and eye damage
- H312 – Harmful in contact with skin
- H302 – Harmful if swallowed
- H242 – Heating may cause a fire
- H331 – Toxic if inhaled
- H373 – May cause damage to organs through prolonged or repeated exposure
- H411 – Toxic to aquatic life with long lasting effects
- H332 – Harmful if inhaled
- H311 – Toxic in contact with skin
- H318 – Causes serious eye damage
- H412 - Harmful to aquatic life with long lasting effects
- H301 – Toxic if swallowed
- H226 – Flammable liquid and vapour
- H304 – May be fatal if swallowed and enters airways

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

MSDS developed by NALMAT Trzebinia