

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	Cleaner washcloth - Wet and dry
CODE	080060
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
ADDRESS	c/ Thomas Edison 16, Apartado de correos 95
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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Regulation n°1272/2008 (CLP)

Hazard class: Flam. Liq.

Hazard category: 3

Hazard statement: H226 – Flammable liquid and vapour.

B. According to Directives 67/548/ECC and 1999/45/EC (including amendments)

Flammable, R10

2.2. Label elements

A. CLP Regulation (EC) n°1272/2008



Warning

H226 – Flammable liquid and vapour.

P102 – Keep out of reach of children.

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P501 – Dispose of contents/container safely.

2.3. Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006. The mixture does not contain any PBT substance (PBT= persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

N.a.

3.2. Mixture

Ethanol	
Registration number (REACH)	01-2119457610-43-XXXX
Index	603-002-00-5
EINECS, ELINCS, NLP	200-578-6
CAS	CAS 64-17-5
Content %	10-20
Classification according to Directive 67/548/EEC	Highly flammable, F, R11
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see section 16. The substances named in this section are given with their actual, appropriate classification! For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) n° 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Never pour anything into the mouth of an unconscious person!

A. By inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.

B. By skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

C. By eye contact

Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

D. By ingestion

Rinse the mouth thoroughly with water. Give copious water to drink. Consult a doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. The following may occur: Irritation of the eyes, drying of the skin. In certain cases, the symptoms of poisoning may only appear after an extended period/after sever hours.

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

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

A. Suitable extinguishing media

Water jet spray, alcohol resistant foam, CO₂, dry extinguisher.

C. Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

In case of fire the following can develop: oxides of carbon, toxic gases, flammable vapour/air mixtures.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire.

Full protection, if necessary.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition – do not smoke.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

6.2. Environmental precautions

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to section 13.

Flush residue using copious water.

6.4. Reference to other sections

For personal protective equipment see section 8 and for disposal instructions see section 13.

7. HANDLING AND STORAGE

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1. Precautions for safe handling

A. General recommendations

Ensure good ventilation.

Keep away from sources of ignition – Do not smoke.

Do not use on hot surfaces.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Observe directions on label and instructions for use.
 Use working methods according to operating instructions.

B. Notes on general hygiene measure at the workplace:

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2. Condition for safe storage, including any incompatibilities

Keep out of access to unauthorized individuals.
 Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Do not store with flammable or self-igniting materials.
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").
 Store in a well ventilated place.
 Protect from direct sunlight and warming.
 Store cool.

7.3. Specific end use(s)

No information available at present.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

A. Ethanol

Content: 10-20%
 WEL-TWA: 1000 ppm (1920 mg/m³)
 WEL-STEL: ---
 BMGV: ---
 Other information: ---

GB – WEL-TWA = Workplace Exposure Limit – Long-term exposure limit (8-hour TWA (=time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwer" (workplace limit value, Germany). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and /or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Ethanol					
Area of application	Exposure route/ environmental compartment	Effect on health	Descriptor	Value	Unit
Workers / employees	Human – inhalation	Short term, local effects	DNEL	1900	mg/m ³
Workers /	Human – inhalation	Long term,	DNEL	950	mg/m ³

employees		systemic effects			
Workers / employees	Human – Dermal	Long term, systemic effects	DNEL	343	mg/kg bw/d
Consumer	Human – inhalation	Short term, local effects	DNEL	950	mg/m ³
Consumer	Human – Dermal	Short term, local effects	DNEL	950	mg/m ³
Consumer	Human – inhalation	Long term, systemic effects	DNEL	114	mg/m ³
Consumer	Human – Oral	Long term, systemic effects	DNEL	87	mg/kg
Consumer	Human – Dermal	Long term, systemic effects	DNEL	206	mg/kg bw/d
	Environment - freshwater		PNEC	0,96	mg/l
	Environment - marine		PNEC	0,79	mg/l
	Environment – water, sporadic (intermittent) release		PNEC	2,75	mg/l
	Environment – sewage treatment plant		PNEC	580	mg/l
	Environment – sediment, freshwater		PNEC	3,6	mg/kg dry weight
	Environment - soil		PNEC	0,63	mg/kg dry weight
	Environment – oral (animal feed)		PNEC	0,72	mg/kg feed
	Environment – sediment, marine			2,9	mg/kg dry weight

8.2. Exposure controls

A. Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

B. Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at the end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

- **Eye/face protection**

With danger of contact with eyes.

Tight fitting protective goggles with side protection (EN 166).

- **Skin protection – Hand protection**

Normally not necessary.

With long-term contact: Protective gloves of butyl rubber (EN 374). Minimum a thickness of 0,7mm.

Permeation time (penetration time): ≥ 240 minutes.

The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

- **Skin protection – Other**

Usual protective working garments.

- **Respiratory protection**

Normally not necessary.

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown.

Observe wearing time limitations for respiratory protection equipment.

- **Thermal hazards**

Not applicable.

Additional information on hand protection – No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.3. Environmental exposure controls

No information available at present.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Impregnated cloth, substance: liquid
Colour	Colourless
Odour	Alcohol
Odour threshold	Not determined
pH-value	9,7 – 9,9
Melting point/freezing point	Not determined
Initial boiling point and boiling range	78 – 100°C
Flash point	~34 °C
Evaporation rate	Not determined
Flammability (solid, gas)	Yes
Lower explosive limit	3,5 Vol - %
Upper explosive limit	15 Vol - %
Vapour pressure:	57 hPa (20°C)
Vapour density (air=1)	Not determined

Density	~0,97 g/ml
Bulk density	Not determined
Solubility(ies)	Organic solvents
Water solubility	Soluble
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	> 400°C (ignition temperature)
Decomposition temperature	Not determined °C
Viscosity	n.a.
Explosive properties	Possible formation of highly flammable vapour/air mixtures
Oxidizing properties	No

9.2. Other information

Miscibility	Not determined
Fat solubility/solvent	Yes
Conductivity	Not determined
Surface tension	Not determined
Solvents content	20%

10. STABILITY AND REACTIVITY

10.1. Reactivity

The product has not been tested.

10.2. Chemical stability

Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

See also section 7.

Heating, open flame, ignition sources.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

See also section 5.2.

No decomposition when used as directed.

11. TOXICOLOGICAL INFORMATION

For more information on health effects, see section 2.1. (classification).

11.1. Ethanol

· Acute toxicity, by oral route:

Endpoint: LD50

Value: 10470 mg/kg

Organism: Rat

Test method: OECD 401 (Acute Oral Toxicity)

Note: -

· Acute toxicity, by dermal route:

Endpoint: LD50

Value: > 2000 mg/kg

Organism: Rabbit

Test method: OECD 402 (Acute Dermal Toxicity)

Note: -

· Acute toxicity, by inhalation:

Endpoint: LC50

Value: 117-125 mg/l/4h

Organism: Rat

Test method: OECD 403 (Acute Inhalation Toxicity)

Note: -

· Skin corrosion/irritation:

Endpoint: -

Value: -

Organism: Rabbit

Test method: OECD 404 (Acute Dermal Irritation/Corrosion)

Note: Not irritant

· Serious eye damage/irritation:

Endpoint: -

Value: -

Organism: Rabbit

Test method: OECD 405 (Acute Eye Irritation/Corrosion)

Note: Mild irritant

· Respiratory or skin sensitization:

Endpoint: -

Value: -

Organism: Mouse

Test method: OECD 429 (Skin Sensitization – Local Lymph Node Assay)

Note: Not sensitizing

· Germ cell mutagenicity:

Endpoint: -

Value: -

Organism: -

Test method: OECD 471 (Bacterial Reverse Mutation Test)

Note: Negative

· Germ cell mutagenicity:

Endpoint: -

Value: -

Organism: -

Test method: OECD 473 (In Vitro Mammalian Chromosome Aberration Test)

Note: Negative

· Germ cell mutagenicity:
Endpoint: -
Value: -
Organism: -
Test method: OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test)
Note: Negative

· Germ cell mutagenicity:
Endpoint: -
Value: -
Organism: Mouse
Test method: OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)
Note: Negative

· Germ cell mutagenicity:
Endpoint: -
Value: -
Organism: Salmonella Typhimurium
Test method: OECD 471 (Bacterial Reverse Mutation Test)
Note: Negative

· Carcinogenicity:
Endpoint: NOAEL
Value: > 3000 mg/kg
Organism: Rat
Test method: OECD 451 (Carcinogenicity Studies)
Note: 24 mon

· Reproductive toxicity:
Endpoint: NOAEL
Value: 5200 mg/kg bw/d
Organism: Rat
Test method: -
Note: -

· Specific target organ toxicity – repeated exposure (STOT-RE):
Endpoint: NOAEL
Value: 1730 mg/kg/d
Organism: Rat
Test method: OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Note: Female

· Specific target organ toxicity-repeated exposure (STOT-RE):
Endpoint: NOAL
Value: >20 mg/l
Organism: Rat
Test method: OECD 403 (Acute Inhalation Toxicity)
Note: Male

· Aspiration hazard:

Endpoint: -

Value: -

Organism: Human being

Test method: -

Note: No indication of such an effect.

· Symptoms:

Endpoint: -

Value: -

Organism: -

Test method: -

Note: Respiratory distress, drowsiness, unconsciousness, drop in blood pressure, vomiting, coughing, headaches, intoxication, drowsiness, mucous membrane irritation, dizziness, nausea.

· Experiences in humans:

Endpoint: -

Value: -

Organism: -

Test method: -

Note: Excessive alcohol consumption during pregnancy induces the fetus alcohol syndrome (reduced weight at birth, physical and mental disorders). There is no sign that this syndrome is also caused by dermal or inhalative absorption.

12. ECOLOGICAL INFORMATION

For more information on environmental effects, see section 2.1. (classification).

11.1. Ethanol

· Toxicity to fish:

Endpoint: LC50

Time: 96h

Value: 13000 mg/l

Organism: *Oncorhynchus mykiss*

Test method: OECD 203 (Fish, Acute Toxicity Test)

Note:

· Toxicity to daphnia:

Endpoint: LC50

Time: 48h

Value: 12340 mg/l

Organism: *Daphnia magna*

Test method: -

Note: -

· Toxicity to algae:

Endpoint: EC50

Time: 48h

Value: 12900 mg/l

Organism: *Selenastrum capricornutum*

Test method: OECD 201 (Alga, Growth Inhibition Test)

Note: -

· Toxicity to algae:

Endpoint: EC50

Time: 72h

Value: 275 mg/l

Organism: *Chlorella vulgaris*

Test method: OECD 201 (Alga, Growth Inhibition Test)

Note: -

· Persistence and degradability:

Endpoint: -

Time: -

Value: 97%

Organism: -

Test method: OECD 301 B (Ready Biodegradability – CO2 Evolution Test)

Note: -

· Bioaccumulative potential:

Endpoint: BCF

Time: -

Value: 0,66 – 3,2

Organism: -

Test method: -

Note: -

· Bioaccumulative potential:

Endpoint: Log Pow

Time: -

Value: -0,32

Organism: -

Test method: -

Note: Bioaccumulation is unlikely (LogPow <1)

· Mobility in soil:

Endpoint: H (Henry)

Time: -

Value: 0,000138

Organism: -

Test method: -

Note: -

· Results of PBT and vPvB assessment:

Endpoint: -

Time: -

Value: -

Organism: -

Test method: -

Note: No PBT substance, no vPvB substance

· Other information:

Endpoint: BOD50

Time: -

Value: 1 g/g

Organism: -

Test method: -

Note: -

· Other information:

Endpoint: COD

Time: -

Value: 1,9 g/g

Organism: -

Test method: -

Note: -

· Water solubility:

Endpoint: -

Time: -

Value: -

Organism: -

Test method: -

Note: Mixable

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

A. For the substance/mixture/residual amounts

EC disposal code n^o:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances (2001/118/EC, 2001/119/EC, 2001/573/EC).

15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

20 01 29 detergents containing dangerous substances.

Recommendation:

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

B. For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleansed in the same manner as the substance.

14. TRANSPORT INFORMATION

14.1. General statements

UN number: 1170

14.2. Transport by road/by rail (ADR/RID)



UN proper shipping name: UN 1170 ETHANOL SOLUTION
Transport hazard class(es): 3
Packing group: III
Classification code: F1
LQ (ADR, 2013): 5L
LQ (ADR, 2009) : 7
Environmental hazards: Not applicable
Tunnel restriction code: D/E

14.3. Transport by sea (IMDG-code)



UN proper shipping name: ETHANOL SOLUTION
Transport hazard class(es): 3
Packing group: III
EmS: F-E, S-D
Marine Pollutant: n.a.
Environmental hazards : Not applicable

14.4. Transport by air (IATA)



UN proper shipping name: ETHANOL SOLUTION
Transport hazard class(es): 3
Packing group: III
Environmental hazards : Not applicable

14.5. Special precautions for user

Persons employed in transporting dangerous goods must be trained.
All persons involved in transporting must observe safety regulations.
Precautions must be taken to prevent damage.

14.6. Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.
Minimum amount regulations have not been taken into account.
Danger code and packing code on request.
Comply with special provisions.

15. REGULATORY INFORMATION

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

For classification and labelling see section 2.

Observe restrictions:

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

15.2. Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

16. OTHER INFORMATION

These details refer to the product as it is delivered.

A. Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EC) 1272/2008 (CLP):

• Classification in accordance with regulation (EC) n° 1272/2008 (CLP):

Flam. Liq. 3, H226

Classification based on test data.

The following phrases represent the posted R phrases / H phrases, Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in section 2 and 3).

10 Flammable

11 Highly flammable.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Flam. Liq. – Flammable liquid.

Eye Irrit. – Eye irritation.

The statements made here should describe the product with regard to the necessary safety precautions, they are not meant to guarantee definite characteristics, but they are based on our present up-to-date knowledge.