



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

STRONG ENGINE CLEANER E90

Date of SDS: 09.09.2022

Date of revision : -

SDS Number : SDS-GBF02022

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Substance/Mixture Identifier:

Product name: STRONG ENGINE CLEANER E90

1.2- Relevant identified uses of the substance advised against:

Identified uses : It dissolves the accumulated oil, oil residues, tar and lining dust without harming the nature and delays the re-dusting of the engine for a long time.

Used advised against :No data available but not eating not drinking

1.3- Details of the supplier of the safety data sheet:

Company : MACRONEX DIŞ TİC.LTD.ŞTİ

Address : Acıbadem Cad.Acıbadem Mah.no:173/A 34660 ISTANBUL

Phone : 0216326 00 02

Fax : -

E-mail : info@macronex.com.tr

1.4- Emergency telephone number: UZEM:114 112 110

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Classification (according to EC 1272/2008):

The substance does not meet the criteria for classification.

Physical hazards: Not classified.

Health hazards: Not classified.

Environmental hazards: Not classified.

Notes: For the full text of the H sentences mentioned in this Section, see Section 16.

2.2- Label elements (according to EC 1272/2008):



GHS Pictograms

Signal word:

Caution

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness.

Precaution

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container closed.

P240 Container and house.

P241 uses scrap/vent/vent/.../material.

P242 Something that doesn't grow.

P243 Take delivery against static booster.



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P261 Avoid mist/vapors/spray.

P264 Avoid water treatment of contact areas after handlers.

P271 is used only or in a well ventilated one.

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

Intervention

P303 + P361 + P353

IF ON CONTACT WITH SKIN (or hair), remove it immediately. your skin with water/shower.

P304 + P340

IF INHALED: Pertaining to the injured person.

P305 + P351 + P338

IF IN EYES: OK for a few minutes. Remove contact lenses, if fitted and easy. Continue rinsing.

P312 If you feel unwell, call a POISON CENTER or referral/doctor.

P337 + P313

If eyebook persists: Get medical advice/attention.

P370 + P378

In case of fire: ... is used for extinguishing. go on.

P337 + P313 If eye history is from book: Get medical advice/attention.

Disposal

P501 Obtain contents/container with licensed old book.

Storage

P403 + P233 Store in a well-ventilated area. Hold the container tightly.

P403 + P235 Store in a well-ventilated area. keep cold.

P405 Locked down

2.3- Other hazards

This mixture does not contain substances assessed to be PvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.1- Substance

Not applicable

3.2- Mixture

Components:

Chemical Name	CAS No.	EC No.	%	Classification
AQUA	231-791-2	7732-18-5	70-80	Solvent/ No classification
ETHANOL	64-17-5	200-578-6	20-25	Flame. Liquid, 2, H225 Eye Irrit. 2, H319

Notes: The full text for all H-statements is displayed in section 16.



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4- FIRST AID MEASURES

4.1- Description of first aid measures

Eye contact	Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin contact	Wash with plenty of soap and water. If irritation occurs seek medical advice.
Ingestion	Edible food product, no special precaution required.
Inhalation	No special precaution required, supply fresh air if necessary.

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

Eye contact	May cause discomfort to eyes.
Skin contact	No effect expected.
Ingestion	Food grade oil, no special precaution required.
Inhalation	No effect expected.

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

Treat symptomatically.

5- FIRE FIGHTING MEASURES

5.1- Extinguishing Media Suitable

extinguishing media

This product is not flammable. Use fire extinguishing methods suitable to surrounding conditions: Foam, fire-extinguishing powder or carbon dioxide.

Unsuitable extinguishing media

Do not use water jet.

5.2- Special hazards arising from the substance or mixture

Hazardous combustion products: Fire causes formation of toxic gases. Carbon dioxide (CO₂), carbon monoxide (CO).

5.3- Advice for firefighters Special

firefighting methods:

Cool containers exposed to flame with water. Limit the spread of product. Use air supplied equipment for fighting interior fires.

Special protective equipment for firefighters:

Face protection, protective gloves and helmet. Wear self-contained breathing apparatus and appropriate protective clothing.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment and emergency procedures

Spilled material can be a slipping hazard. Take precautionary measures for the slippery ground. Avoid eyes and skin contact

6.2- Environmental precautions

Avoid release to the environment. Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and/or international regulations.

6.3- Methods and materials for containment and cleaning up



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Absorb onto an inert, absorbent substrate and sweep up. Wash area with detergent and water. Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures

6.4- References to other sections

For information on safe handling see section 7, for information on personal protection equipment see section 8, for disposal-related information see section 13.

7- HANDLING AND STORAGE

7.1- Precautions for safe handling

Keep away from sources of ignition and open flames. Avoid eyes contact. Observe good chemical hygiene practices. Do not eat, drink or smoke during use.

7.2- Conditions for safe storage, including any incompatibilities

Store in a cool, dry location, in a sealed container. Do not store together with strong oxidizing agents. Keep away from heat sources, open flames and direct sunlight. Recommended storage temperature: 15 - 25 °C.

7.3- Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1- Control parameters

Contains no substances with occupational exposure limit values.

<i>Ethanol (64-17-5)</i>		
<i>OSHA PEL</i>	<i>TWA</i>	<i>1000 ppm (1920 mg/m3)</i>
	<i>STEL (15 Dk.)</i>	<i>1000 ppm</i>

8.2- Exposure controls

8.2.1. Appropriate engineering controls: Provide adequate ventilation.

8.2.2. Individual protection measures, such as personal protective equipment:

Hand Protection: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Glove material: Nitrile rubber

Glove thickness: > 0.11 mm

Absorption time: > 480 min

Skin protection:

Wear apron or protective clothing to prevent any possibility of skin contact.

Eye/face protection:

Use safety goggle with side protection.

Health Measures

Wash hands after contact.

Change work clothes daily before leaving the workplace.

Wash workwear before reuse. Do not eat, drink or smoke during use.

Handle in accordance with industrial hygiene and safety rules.

Hygiene measures

Remove the contaminated clothing. Use appropriate skin cream to prevent drying of the skin. Do





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not eat, drink or smoke while using the product.

Respiratory protection:

No specific recommendation made, but respiratory protection may be required under exceptional circumstances when excessive air pollution exist.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Appearance	: liquid
Colour	: Clear liquid with various color and odor by product.
Odour	: Characteristic.
Melting point	: Not applicable
Boiling point	: No data available
Flash point (°C)	: Not data available
Density, gr/cm ³ @ 20 °C	: ~ 0,91-1,05gr/cm
pH Value, @ 25°C	: Not applicable.
Solubility in water	: Slightly insoluble.
Viscosity, mPa's @ 20°C	: 100-200cp
Explosive properties	: No explosive properties.
Oxidising property	: No oxidizing property.

9.2- Other information:

No data available

10- STABILITY AND REACTIVITY

10.1- Reactivity

Stable under normal temperatures and pressures. Becomes rancid on exposure to air; begins to get turbid at 5 to 10 °C.

10.2- Chemical stability

Stable under normal temperature conditions, recommended uses and at prescribed storage conditions.

10.3- Possibility of hazardous reactions

No known hazardous reactions.

10.4- Conditions to avoid

Heat, high temperatures, exposure to air, and incompatible materials.

10.5- Incompatible materials

Strong oxidizing agents, acids.

10.6-Hazardous decomposition products

Hazardous combustion products: see section 5.

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Acute Toxicity

Skin corrosion/irritation



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No irritating

Serious eye damage/irritation

No data available.

Respiratory or Skin Sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenity No

data available.

Reproductive toxicity

No data available.

Specific Target Organ Toxicity (Single Exposure)

No data available.

Specific Target Organ Toxicity (Repeated Exposure)

No data available.

Aspiration Hazard No

data available.

12- ECOLOGICAL INFORMATION

12.1- Toxicity

Substance or Compound	EC No.	CAS No.	Content, %	Ecotoxicity in Aquatic			Biodegradability	Bioaccumulation	
				Fish	Daphnia magna	Algae		BCF	Log Pow
Ethanol	200-578-6	64-17-5	20-25	EC0: 3,9 g/l 200 Hour	No information	NOEC: >1,58 g/l 96 Hour	% 37 (24 Hour	< 10	- 0,32

12.3- Bioaccumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods



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This product is not hazardous waste. Dispose of according to local, state and federal regulations. The used packages can be recycled after they have been completely emptied and rinsed with water. In this way, the municipality can be collected by waste disposal organizations. It can be sold to commercial waste companies. You can also return it to the manufacturer. Observe the relevant rules of the state and regional authority. It must be disposed of in accordance with official regulations.

14- TRANSPORT INFORMATION

Product is not classified as dangerous in the meaning of transport regulations (ADR/RID, ADN, IMDG and ICAO/IATA).



14.1- UN number	1170		
14.2- UN proper shipping name	Ethanol solution		
14.3- Transport hazard class(es)	3		
14.4- Packing Group	III		
14.5- Environmental hazard	Not regulated		
14.6- MARPOL 73/78 ek II ve IBC			
Bulk transport by code	Not applicable.		
Limited quantity (ADR/RID)	5 L		
Exceptional quantity (ADR/RID E1)			
Tank code	(ADR/RID) LGBT		
Tunnel code	3 (D/E)		
Orange PLATES	<table border="1" style="margin-left: auto; margin-right: auto;"><tr><td style="text-align: center;">30</td></tr><tr><td style="text-align: center;">1170</td></tr></table>	30	1170
30			
1170			

Maritime transport (IMDG Code)

14.1- UN number	UN1170
14.2- UN proper shipping name	ETANOL solution
14.3- Transport hazard class(es)	3
14.4- Packing Group	III



14.5- Packing GROUP It is not harmful to the environment.

14.6- Annex II of MARPOL 73/78 and IBC

Bulk transport by code	Not applicable.
Limited quantity (IMDG)	5 Kg
Exceptional quantity (IMDG)	E1
EmS No (Fire)	F-E
N*FS (Spill)	S-D

Air transport (ICAO-IATA/ DGR)

14.1- UN numarası	UN1170
14.2- UN proper shipping name	ETANOL SOLUTION
14.3- Transport hazard class(es)	3
14.4- Packing Group	III



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14.5- Environmental hazards

It is not harmful to the environment.

14.6- MARPOL 73/78 ek II ve IBC

koduna göre dökme taşımacılık

Not applicable.

15- REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- Council Directive 91/689/EEC
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

16- OTHER INFORMATION

List of abbreviations

ADR	European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No	Chemical Abstract Service Index Number
CLP	Regulation of Classification, Labelling and Packaging of Chemicals
EC No	European Commission Number
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Dosage producing 50% mortality
NIOSH	National Institute for Occupational Safety and Health
PBT	Persistent Bioaccumulative Toxic
RID	International Rule for Transport of Dangerous Substances by Railway
vPvB	Very Persistent, Very Bioaccumulative

Other Information:

Date Prepared	SEP 09th, 2022
Revision No	00
Revision Date	00
Organized by	HANDAN KAVI(TUV/11.25.04&02.01.2020)

Training information

Follow training instructions when handling this material.

Disclaimer

This information relates to a specific product and is not available for use in combination with any process or with any other material. Do not use on other application (s) without consulting the manufacturer. Information about the product in this Safety Data Sheet has been compiled from knowledge of the individual components. The data given here is based on current knowledge and experience. This Safety Data Sheet analyzes the product in terms of safety requirements and does not give any guarantee of the properties for the product. Usage of the information remains under the sole responsibility of the user.