

SAFETY DATA SHEET

According to Regulation (EC) No. 1272/2008 - CLP and Regulation (EC) No. 830/2015

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

1.1 Product identifier

Code: 001101009A
Product name: Sgrassante concentrato Emak

1.2 Relevant identifier uses of the substance or mixture and uses advised against

Intended use: Grease remover for parts of motors

1.3 Details of the supplier of the safety data sheet

Supplier: EMAK S.p.A.
Via Fermi 4
42011 BAGNOLO IN PIANO (RE) - ITALY

Telephone: +39 0522 956611 (OFFICE-DESK)
Fax: +39 0522 951555
E-mail: schedesicurezza@emakgroup.net

1.4 Emergency telephone number:

Country	Organisation	Address	Phone, e-mail, website
United Kingdom	National Poisons Information Service (NPIS)	National Poisons Information Service (NPIS) Email: director.birmingham.unit@npis.org	Email: director.birmingham.unit@npis.org Website: http://www.npis.org/
Ireland	Beaumont Hospital - National Poisons Information Centre	Beaumont Road, Dublin 9,	Tel: +353 1 8092566 Email: npicdublin@beaumont.ie Website: www.poisons.ie

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

The product is classified as not hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements. As the product contain substance in concentration that is necessary to declare at section 3, thus it requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet. Hazard classification and indication: none

2.2 Label elements

Hazard pictograms: none
Signal words: none
Hazard statements: none
Precautionary statements: none

Safety data sheet available on request for professional workers.

2.3 Other hazards

Information not available.

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SECTION 3. Composition/information on ingredients

3.2 Mixtures

Contains:

Substance	Conc. %.	Classification 67/548	Classification 1272/2008 (CLP)
DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS No 34590-94-8 EINECS No 252-104-2 REACH No 01-2119450011-60 Substance with EU occupational exposure limit	1 ≤ C < 5	Not dangerous	Not dangerous
2-BUTOXYETHANO CAS No 111-76-2 EINECS No 203-905-0 Index No 603-014-00-0 REACH No 01-2119475108-36 Substance with EU occupational exposure limit	1 ≤ C < 5	Xn R20/21/22 Xi R36/38	Acute Tox. 4 H332 Acute Tox. 4 H312 Acute Tox. 4 H302 Eye Irrit. 2 H319 Skin Irrit. 2 H315
SODIUM C10-C16 ALKYL ETHOXY SULPHATE CAS No: 68585-34-2 EINECS No: 500-223-8 REACH No 01-2119488639-16	1 ≤ C < 5	Xi R36/38	Skin Irrit. 2 H315 Eye Irrit. 2 H319
POTASSIUM PIROPHOSPHATE CAS No 7320-34-5 EINECS No 230-785-7 REACH No.: 01-2119489369-18	1 ≤ C < 5	Xi R36/37/38	Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315

The meaning H phrases is explained at section 16.

SECTION 4. First aid measures

4.1 Description of first aid measures

- EYES:** Wash with plenty of water for at least 15 min. If symptoms occur, get medical attention.
- SKIN:** Remove contaminated clothing, take a shower.
- INGESTION:** Drink a large amount of water. In case, consult a doctor. Do not induce vomit without authorization of a doctor.
- INHALATION:** Ventilate the premises. The patient is to be removed from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No episodes of damage to health ascribable to the product have been reported. For more information, see section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available

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SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing equipment: The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

Unsuitable extinguishing equipment: Avoid water jet. Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Pressure build up can occur with explosion risk. Avoid inhalation of material or combustion by-products.

5.3 Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stop the flow of material, if this is without risk

6.1.1 Personal precautions:

Keep away and wait until emergency personnel bring back to safe the area

6.1.2 For emergency responders:

Wear appropriate protective equipment and clothing

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

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7.2 Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Substance	Type	State	TWA/8h		STEL/15min		
			mg/m ³	ppm	mg/m ³	ppm	
2-BUTOXYETHANOL	TLV-TWA		121	25			Skin
	TLV- ACGIH		97				Skin
	OEL	EU	98				Skin
DIPROPYLEN GLYCOL MONOMETHYLETER	TLV-ACGIH		606	100	909	150	Skin

8.2 Exposure controls

Observance of safety measures used in handling chemical substances

HAND PROTECTION	Not needed for normal use
SKIN PROTECTION	Not needed for normal use
EYE PROTECTION	Suggested to wear chemical goggles or face shield
RESPIRATORY PROTECTION	Not needed for normal use

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Aspect:	yellow liquid
Odour:	lemon
pH:	8.9
Melting point:	<0°C
Boiling point:	>100°C
Flash point:	not flammable
Auto ignition temperature:	none
Explosive properties:	none
Oxidizing properties:	none
Vapour pressure:	n.d.
Relative density:	1.075 approx
Solubility in water:	total
Vapour density:	n.d.

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SECTION 10. Stability and reactivity

- 10.1 Reactivity:** There are no particular risks of reaction with other substances in normal conditions of use.
- 10.2 Chemical stability:** The product is stable in normal conditions of use and storage.
- 10.3 Possibility of hazardous reactions:** No hazardous reactions are foreseeable in normal conditions of use and storage.
- 10.4 Conditions to avoid:** None in particular. However the usual precautions used for chemical products should be respected. Avoid heating and solar radiation exposure. Do not mix with strong oxidant.
- 10.5 Incompatible materials:** Strong oxidant.
- 10.6 Hazardous decomposition products:** Does not occur in normal condition.

SECTION 11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

11.1 Information on toxicological effects

- a) Acute toxicity: the product is not toxic
- b) Irritation: the product does not produce irritation to skin and eyes.
- c) Corrosivity: the product is not corrosive
- d) Sensitisation: the product is not a sensitizer
- e) Toxicity dose repeated: data not available
- f) Carcinogenicity: the product is not carcinogen
- g) Mutagenicity: the product is not mutagen
- h) Reproductive toxicity: negative

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1 Toxicity

The product is not dangerous for the environment

12.2 Persistence and degradability

Information not available.

12.3 Bioaccumulative potential

Information not available.

12.4 Mobility in soil

Information not available.

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6 Other adverse effects

Information not available.

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SECTION 13. Disposal considerations

13.1 Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Avoid littering. Do not contaminate soil, sewers and waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information

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

Seveso category: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: None

Substances in Candidate List (Art. 59 REACH): None.

Substances subject to authorisation (Annex XIV REACH): None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None.

Substances subject to the Rotterdam Convention: None.

Substances subject to the Stockholm Convention: None.

Healthcare controls: not necessary

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture.

SECTION 16. Other information

Full text of H-Statements referred to under sections 2 and 3:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

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LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as Reach Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

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GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EC) 453/2010 of the European Parliament
5. Regulation (EC) 286/2011 (II Atp. CLP)
6. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (UE) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (UE) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (UE) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (CE) 830/2015
11. The Merck Index. - 10th Edition
12. Handling Chemical Safety
13. Niosh - Registry of Toxic Effects of Chemical Substances
14. INRS - Fiche Toxicologique (toxicological sheet)
15. Patty - Industrial Hygiene and Toxicology
16. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
17. ECHA website
18. MSDS of single component

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Modified parts:

01 / 02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.

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