

SAFETY DATA SHEET

According to Regulation (EC) No. 453/2010

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

1.1 Product identifier

Product form: Mixture
Product name: Additix 2000 Emak
Product code: 001000972

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

1.2.1 Relevant identified uses:

Use of the substance/mixture: Petrol additive.

1.2.2 Uses advised against

No additional information available

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

STOT RE 1 H372
Asp. Tox. 1 H304
Aquatic Chronic 3 H412

Full text of H-phrases: see section 16.

Classificazione secondo le direttive 67/548/CEE [DSD] o 1999/45/CE [DPD]

Xn; R65
Xn; R48/20
R66
R52/53

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Full text of R-phrases: see section 16.

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



GHS08

Signal word (CLP):

Danger

Hazardous ingredients:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements (CLP):

H304 - May be fatal if swallowed and enters airways
H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

EUH phrases:

EUH208 - Contains Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tertbutyl-2,5-dimethylphenol. May produce an allergic reaction
EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements (CLP):

P102 - Keep out of reach of children
P405 - Store locked up
P260 - Do not breathe vapours
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P331 - Do NOT induce vomiting
P273 - Avoid release to the environment

2.3 Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Name	Product identifier	% w	Classification according to Directive 67/548/EEC
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC no) 919-164-8 (REACH-no) 01-2119473977-17	>= 90	Xn; R48/20 Xn; R65 R66
1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia	(CAS No) 337367-30-3	2,5 - 5	Xi; R38 R52/53

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Name	Product identifier	% w	Classification according to Directive 67/548/EEC
Polyether	(CAS No) 173140-85-7 (EC no) polymer	1 - 2,5	Xi; R38
Paraffins, normal C5-20	(CAS No) 64771-72-8 (EC no) 265-233-4 (REACH-no) 01-2119475608-26	1 - 2,5	Xn; R65 R66
Solvent naphtha (petroleum), heavy aromatic	(CAS No) 64742-94-5 (EC no) 265-198-5 (EC index no) 649-424-00-3	1 - 2,5	Xn; R65 N; R51/53 R66 R67
Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol	(EC no) 911-254-5 (REACH-no) 01-2119537289-29	0,1 - 1	Xn; R22 Xn; R48/22 Xi; R36/38 R43 N; R50/53 T; R24
Naphthalene substance with a Community workplace exposure limit	(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2 (REACH-no) 01-2119561346-37	0,02 - 0,1	Carc.Cat.3; R40 Xn; R22 N; R50/53

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC no) 919-164-8 (REACH-no) 01-2119473977-17	>= 90	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia	(CAS No) 337367-30-3	2,5 - 5	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
Polyether	(CAS No) 173140-85-7 (EC no) polymer	1 - 2,5	Skin Irrit. 2, H315
Paraffins, normal C5-20	(CAS No) 64771-72-8 (EC no) 265-233-4 (REACH-no) 01-2119475608-26	1 - 2,5	Asp. Tox. 1, H304
Solvent naphtha (petroleum), heavy aromatic	(CAS No) 64742-94-5 (EC no) 265-198-5 (EC index no) 649-424-00-3	1 - 2,5	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol	(EC no) 911-254-5 (REACH-no) 01-2119537289-29	0,1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Naphthalene substance with a Community workplace exposure limit	(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2 (REACH-no) 01-2119561346-37	0,02 - 0,1	Carc. 2, H351 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures general:	Check the vital functions. Unconscious: maintain adequate airway and respiration. Victim conscious with laboured breathing: half-seated. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Respiratory arrest: artificial respiration or oxygen. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
First-aid measures after skin contact:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact:	Repeated or prolonged skin contact may cause dermatitis and defatting.
Symptoms/injuries after ingestion:	Harmful if swallowed. Headache. Abdominal pain. Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray. AFFF foam. ABC-powder.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Combustible liquid. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.

Explosion hazard: No direct explosion hazard.

5.3 Advice for firefighters

Firefighting instructions: Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: No open flames. No smoking. Use special care to avoid static electric charges.

6.1.1 For non-emergency personnel

Protective equipment: Safety glasses. Face-shield. Gloves. protective clothing.

Emergency procedures: Mark the danger area. Seal off low-lying areas. Large spills/in enclosed spaces: compressed air apparatus. Wash contaminated clothes.

6.1.2 For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment: Contain leaking substance, pump over in suitable containers.

Methods for cleaning up: Take up liquid spill into absorbent material. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Meet the legal requirements. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin. Presents no particular risk when handled in accordance with good occupational hygiene practice..

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Hygiene measures: Observe normal hygiene standards. Wash contaminated clothing before reuse

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Meet the legal requirements. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place.

Storage temperature: < 45 °C

Storage area: Meet the legal requirements. Keep container tightly closed in a cool, well-ventilated place. Ventilation along the floor.

Special rules on packaging: Keep only in original container. correctly labelled.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	100 ppm
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Naphthalene (91-20-3)

UE	IOELV TWA (mg/m ³)	50 mg/m ³
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UE	IOELV TWA (ppm)	10 ppm
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Belgium	Limit value (mg/m ³)	53 mg/m ³
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Belgium	Limit value (ppm)	10 ppm
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Belgium	Short time value (mg/m ³)	80 mg/m ³
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Belgium	Short time value (ppm)	15 ppm
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Belgium	Remark (BE)	D
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8.2 Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment: Gloves. Safety glasses.



Hand protection: Neoprene. nitrile. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information: Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Clear
Colour:	Colourless to slightly yellow
Odour:	Petroleum-like odour
Odour threshold:	No data available
pH:	-
Relative evaporation rate (butylacetate=1):	No data available
Refraction index:	1,45
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	61 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density @20°C:	806 kg/m ³
Solubility:	Insoluble in water
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic @40°C:	1,4 mm ² /s
Viscosity, dynamic @40°C:	No data available
Viscosity:	-
Viscosity Index:	-
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information

Additional information: The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No additional information available.
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No additional information available.
10.4 Conditions to avoid:	Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from strong acids and strong oxidizers.

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- 10.5 Incompatible materials:** No additional information available.
- 10.6 Hazardous decomposition products:** On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Harmful: may cause lung damage if swallowed.

Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol

ATE CLP (oral): 500,000 mg/kg bodyweight

Naphthalene (91-20-3)

ATE CLP (oral): 500,000 mg/kg bodyweight

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Causes damage to organs (central nervous system) through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Ecology - general: May cause long lasting harmful effects to aquatic life.

Ecology - water: Harmful to aquatic life.

Naphthalene (91-20-3)

CL50 fishes 1 6,08 mg/l 96h

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

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12.5 Results of PBT and vPvB assessment

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations: Remove to an authorized waste treatment plant

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number:

Not regulated for transport

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Other information:

No supplementary information available

14.6 Special precautions for user

14.6.1 Overland transport

No additional information available

14.6.2 Transport by sea

No additional information available

14.6.3 Air transport

No additional information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1 EU-Regulations

Contains no substances with Annex XVII restrictions

Additix 2000 Emak is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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15.1.2 National regulations

Water hazard class (WGK): 2 - hazard to waters

15.2 Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R24	Toxic in contact with skin
R36/38	Irritating to eyes and skin

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R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R43	May cause sensitisation by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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Emak[®]
our **power**, your **passion**

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