

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

1.1. Product identifier

Product name Universal Coil Cleaner Aerosols

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

Identified uses Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier
Aspen Pumps Group
Apex Way
Hailsham
East Sussex
BN27 3WA
Tel: +44 (0) 1323 848842
Email: sales@aspenpumps.com
Fax: +44 (0) 1323 848846

1.4. Emergency telephone number

Emergency telephone +44 (0)203 394 9889

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) F+; R12. Xi; R36. R67

Human health Vapours and spray/mists in high concentrations are narcotic. See Section 11 for additional information on health hazards.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram



Signal word Danger



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Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing vapour/ spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Contains

PROPAN-2-OL

Detergent labelling

< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains Limonene, 2H-BENZOPYRAN-2-ONE

Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PROPAN-2-OL			30-60%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX	
Classification			
Flam. Liq. 2 - H225			
Eye Irrit. 2 - H319			
STOT SE 3 - H336			
PETROLEUM GASES, LIQUEFIED			10-30%
CAS number: 68476-85-7	EC number: 270-704-2		
Classification			
Flam. Gas 1 - H220			
Press. Gas, Compressed - H280			



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DISODIUM METASILICATE			<1%
CAS number: 6834-92-0		EC number: 229-912-9	
Classification			
Met. Corr. 1 - H290			
Skin Corr. 1B - H314			
Eye Dam. 1 - H318			
STOT SE 3 - H335			
SODIUM 2-[2-[2-(DODECYLOXY)ETHOXY]ETHOXY]ETHYL SULPHATE			<1%
CAS number: 13150-00-0		EC number: 236-091-0	
Classification			
Skin Irrit. 2 - H315			
Eye Irrit. 2 - H319			
ALCOHOL ETHOXYLATE			<1%
CAS number: 68439-46-3			
Classification			
Acute Tox. 4 - H302			
Eye Dam. 1 - H318			
1-METHOXY-2-PROPANOL			<1%
CAS number: 107-98-2		EC number: 203-539-1	REACH registration number: 01-2119457435-35-XXXX
Classification			
Flam. Liq. 3 - H226			
STOT SE 3 - H336			
AMMONIA 30%			<1%
CAS number: 1336-21-6		EC number: 215-647-6	REACH registration number: 01-2119488876-14-XXXX
M factor (Acute) = 1			
Classification			
Skin Corr. 1B - H314			
Eye Dam. 1 - H318			
STOT SE 3 - H335			
Aquatic Acute 1 - H400			



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2-HYDROXY-3-METHOXYBENZALDEHYDE

<1%

CAS number: 121-33-5

EC number: 204-465-2

REACH registration number: 01-
2119516040-60-XXXX

Classification

Eye Irrit. 2 - H319

(R)-PARA-MENTHA-1,8-DIENE

<1%

CAS number: 5989-27-5

EC number: 227-813-5

REACH registration number: 01-
2119529223-47-XXXX

M factor (Acute) = 1

M factor (Chronic) = 1

Classification

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

2H-CHROMEN-2-ONE

<1%

CAS number: 91-64-5

EC number: 202-086-7

REACH registration number: 01-
2119943756-26-XXXX

Classification

Acute Tox. 4 - H302

Skin Sens. 1 - H317

STOT RE 2 - H373

5-HEPTYLDIHYDRO-2(3H)-FURANONE

<1%

CAS number: 104-67-6

EC number: 203-225-4

REACH registration number: 01-
2119959333-34-XXXX

Classification

Aquatic Chronic 3 - H412

2-ETHYL-3-HYDROXY-4-PYRONE

<1%

CAS number: 4940-11-8

EC number: 225-582-5

Classification

Acute Tox. 4 - H302

ALLYL HEXANOATE			<1%
CAS number: 123-68-2	EC number: 204-642-4	REACH registration number: 01-2119983573-26-XXXX	
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319			
A,A-DIMETHYLPHENETHYL BUTYRATE			<1%
CAS number: 10094-34-5	EC number: 233-221-8		
Classification Aquatic Chronic 2 - H411			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.
Ingestion	Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	See Section 11 for additional information on health hazards.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
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5.3. Advice for firefighters



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Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene Wash promptly with soap and water if skin becomes contaminated. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Protect from freezing and direct sunlight. Store in a dry place. Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

PETROLEUM GASES, LIQUEFIED

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m³

Sk



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WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

PROPAN-2-OL (CAS: 67-63-0)

DNEL	Workers - Dermal; Long term systemic effects: 888 mg/kg/day Workers - Inhalation; Long term systemic effects: 500 mg/m ³ Consumer - Dermal; Long term systemic effects: 319 mg/kg/day Consumer - Inhalation; Long term systemic effects: 89 mg/m ³ Consumer - Oral; Long term systemic effects: 26 mg/kg/day
PNEC	- Fresh water; 140.9 mg/l - Marine water; 140.9 mg/l - Intermittent release; 140.9 mg/l - STP; 2251 mg/l - Soil; 28 mg/kg - Sediment; 552 mg/kg

1-METHOXY-2-PROPANOL (CAS: 107-98-2)

DNEL	Consumer - Oral; Long term systemic effects: 3.3 mg/kg/day Consumer - Dermal; Long term systemic effects: 18.1 mg/kg/day Consumer - Dermal; Long term systemic effects: 50.6 mg/kg/day Workers - Inhalation; Short term local effects: 553.5 mg/m ³ Consumer - Inhalation; Long term systemic effects: 43.9 mg/m ³ Workers - Inhalation; Long term systemic effects: 369 mg/m ³
PNEC	- Fresh water; 10 mg/l - Sediment (Freshwater); 41.6 mg/kg - Intermittent release; 100 mg/l - Sediment (Marinewater); 4.17 mg/kg - Marine water; 1 mg/l - Soil; 2.47 mg/kg

8.2. Exposure controls

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific requirements are anticipated under normal conditions of use.
Other skin and body protection	Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.
Respiratory protection	No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Clear.
Odour	Coconut.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.



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Initial boiling point and range	-41 (-41 TO 117)°C @
Flash point	-40°C CC (Closed cup).
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8 % Upper flammable/explosive limit: 13.1 %
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.747
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	270°C
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
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10.2. Chemical stability

Stability	The product may not be stable under some conditions of storage or use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	None known.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None at ambient temperatures.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects



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Inhalation	Vapours in high concentrations are narcotic. May cause drowsiness or dizziness. Vapours may cause headache, fatigue, dizziness and nausea.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Causes serious eye irritation.
Acute and chronic health hazards	No known chronic or acute health risks.
Route of entry	Inhalation Skin and/or eye contact

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,045.0

Species Rat

ATE oral (mg/kg) 5,045.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 12,800.0

Species Rabbit

ATE dermal (mg/kg) 12,800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 30.0

Species Rat

ATE inhalation (vapours mg/l) 30.0

DISODIUM METASILICATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,280.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

ALCOHOL ETHOXYLATE

Acute toxicity - oral

ATE oral (mg/kg) 500.0



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1-METHOXY-2-PROPANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,660.0

Species Rat

ATE oral (mg/kg) 5,660.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 13,000.0

Species Rabbit

ATE dermal (mg/kg) 13,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 54.6

Species Rat

ATE inhalation (vapours mg/l) 54.6

AMMONIA 30%

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 350.0

Species Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 500.0

Species Rat

ATE inhalation (vapours mg/l) 500.0

2H-CHROMEN-2-ONE

Acute toxicity - oral

ATE oral (mg/kg) 500.0

2-ETHYL-3-HYDROXY-4-PYRONE

Acute toxicity - oral

ATE oral (mg/kg) 500.0

ALLYL HEXANOATE

Acute toxicity - oral

ATE oral (mg/kg) 100.0



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Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

SECTION 12: Ecological Information

12.1. Toxicity

PROPAN-2-OL

Acute toxicity - fish LC₅₀, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 13299 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >1 mg/l, Desmodemus subspicatus

1-METHOXY-2-PROPANOL

Acute toxicity - fish LC₅₀, 96 hours: 20800 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 23300 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, : 1001 mg/l, Selenastrum capricornutum

AMMONIA 30%

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 0.89 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates NOEC, : 0.79 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, : 2700 mg/l, Fish

(R)-PARA-MENTHA-1,8-DIENE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential



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Partition coefficient No information available.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

Disposal methods Containers should be thoroughly emptied before disposal because of the risk of an explosion.
Do not pierce or burn, even after use.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS, FLAMMABLE

Proper shipping name (IMDG) AEROSOLS, FLAMMABLE

Proper shipping name (ICAO) AEROSOLS, FLAMMABLE

Proper shipping name (ADN) AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels



14.4. Packing group



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Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 08/06/2017

Revision 1

Supersedes date 19/01/2017

SDS number 6854



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Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
H290 May be corrosive to metals.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
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.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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Company Identification

Supplier

Aspen Pumps Group
Apex Way
Hailsham
East Sussex
BN27 3WA
Tel: +44 (0) 1323 848842
Email: sales@aspenpumps.com
Fax: +44 (0) 1323 848846

Detergent Ingredient Information

	Name
1	ISOPROPYL ALCOHOL
2	Petroleum gases, liquefied, if they contain > 0.1% w/w Butadiene
3	ANIONIC SURFACTANT
4	METHOXYISOPROPANOL
5	NONIONIC SURFACTANT
6	SODIUM METASILICATE
7	AMMONIA
8	Parfum
9	VANILLIN
10	Limonene
11	2H-BENZOPYRAN-2-ONE