



Clean-Air (Aerosol)

Safety Data Sheet

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

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Blend Version: 1

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

1.1. Product identifier

Product form : Mixture
Product name : Clean-Air (Aerosol)
Product code : W29601

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 : Automotive Care Products
Function or use category : Aerosol propellants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wynn's Belgium
Industriepark-West 46
9100 Sint-Niklaas - Belgium
T +32 3 766 60 20 - F +32 3 778 16 56
msds@wynns.eu - www.wynns.com

1.4. Emergency telephone number

Emergency number : BIG: +32(0)14/58.45.45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1 H222;H229
Eye Irrit. 2 H319

Full text of hazard classes and H-statements : 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) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H319 - Causes serious eye irritation

EUH-statements :

EUH208 - Contains Carvone. May produce an allergic reaction

Precautionary statements (CLP) :

P102 - Keep out of reach of children
P280 - Wear eye protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
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
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43	50 - 75	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Propane	(CAS No) 74-98-6 (EC no) 200-827-9 (EC index no) 601-003-00-5 (REACH-no) 01-2119486944-21	25 - 50	Flam. Gas 1, H220
Butane n-	(CAS No) 106-97-8 (EC no) 203-448-7 (EC index no) 601-004-00-0 (REACH-no) 01-2119474691-32	5 - 10	Flam. Gas 1, H220
Propan-2-ol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	1 - 2,5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Carvone	(CAS No) 99-49-0 (EC no) 202-759-5 (EC index no) 606-148-00-8 (REACH-no) 01-2119962458-25	0,1 - 1	Skin Sens. 1, H317

Name	Product identifier	Specific concentration limits
Ethanol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43	(C >= 50) Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Check the vital functions. Respiratory arrest: artificial respiration or oxygen. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspersion pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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. As it is a spray can packaging it is most unlikely that large quantities will be swallowed.

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

Symptoms/injuries after eye contact : Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, hazy water.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol. Gas/vapour flammable with air within explosion limits. Gas/vapour spreads at floor level: ignition hazard.
- Explosion hazard : Risk of explosion if heated under confinement.

5.3. Advice for firefighters

- Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
- 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

6.1.1. For non-emergency personnel

- Protective equipment : protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Wear suitable gloves and eye/face protection.
- Emergency procedures : Mark the danger area. Stop engines and no smoking. Seal off low-lying areas. Large spills/in confined spaces: consider evacuation. Close doors and windows of adjacent premises. Exposure to fire/heat: keep upwind. Use spark-/explosionproof appliances and lighting system. No naked flames, sparks, and do not smoke. Take off contaminated clothing and wash before reuse.

6.1.2. For emergency responders

- Emergency procedures : Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Wash clothing and equipment after handling. This material and its container must be disposed of in a safe way, and as per local legislation.

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 : Meets the legal requirements. Use spark-/explosionproof appliances and lighting system. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Presents no particular risk when handled in accordance with good occupational hygiene practice.
- Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- Storage temperature : ≤ 45 °C
- Heat and ignition sources : Keep away from sources of ignition - No smoking.
- Prohibitions on mixed storage : Keep away from strong acids and strong oxidizers.
- Storage area : Meets the legal requirements. Protect from heat and direct sunlight. Fireproof storeroom. Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Ventilation along the floor.
- Special rules on packaging : correctly labelled. Meets the legal requirements.
- Packaging materials : Pressurised small gas containers (aerosol cans).

7.3. Specific end use(s)

See product bulletin for detailed information.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)

Belgium	Limit value (mg/m ³)	1907 mg/m ³
Belgium	Limit value (ppm)	1000 ppm

Propane (74-98-6)

Belgium	Limit value (ppm)	1000 ppm
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Butane n- (106-97-8)

Belgium	Limit value (ppm)	1000 ppm
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Propan-2-ol (67-63-0)

Belgium	Limit value (mg/m ³)	500 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	1000 mg/m ³
Belgium	Short time value (ppm)	400 ppm
France	VLE (mg/m ³)	980 mg/m ³
France	VLE (ppm)	400 ppm

Ethanol (64-17-5)

DNEL/DMEL (Workers)		
Acute - local effects, inhalation	1900 mg/m ³	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	950 mg/m ³	
DNEL/DMEL (General population)		
Acute - local effects, inhalation	950 mg/m ³	
Long-term - systemic effects, oral	87 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	114 mg/m ³	
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0,96 mg/l	
PNEC aqua (marine water)	0,79 mg/l	
PNEC aqua (intermittent, freshwater)	2,75 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	3,6 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0,63 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	580 mg/l	

Propan-2-ol (67-63-0)

DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	500 mg/m ³	
DNEL/DMEL (General population)		
Long-term - systemic effects, oral	26 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	89 mg/m ³	
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	140,9 mg/l	
PNEC aqua (marine water)	140,9 mg/l	
PNEC aqua (intermittent, freshwater)	140,9 mg/l	
PNEC aqua (intermittent, marine water)	140,9 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	552 mg/kg dwt	
PNEC sediment (marine water)	552 mg/kg dwt	
PNEC (Soil)		
PNEC soil	28 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	2251 mg/l	

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Carvone (99-49-0)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 0,333 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 1,175 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral 0,166 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 0,289 mg/m³

Long-term - systemic effects, dermal 0,166 mg/kg bodyweight/day

PNEC (Sediment)

PNEC sediment (freshwater) 0,192 mg/kg dwt

PNEC sediment (marine water) 0,019 mg/kg dwt

PNEC (Soil)

PNEC soil 0,035 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant 10 mg/l

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

: PVC (Polyvinyl chloride). Neoprene. Nitrile rubber. 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

: Thickness of the glove material >0.1 mm. Breakthrough time : >30'.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: Colourless.
Odour	: Peppermint odour.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: 2
refraction index	: 1,368
Melting point	: No data available
Freezing point	: No data available
Boiling point	: < 0 °C
Flash point	: < 0 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 8530 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density @20°C	: 790 kg/m ³
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: < 1 mm ² /s

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Viscosity, dynamic @40°C	: 1 mPa.s
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1,8 - 19 vol %

9.2. Other information

VOC content	: 96,1 %
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

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Ethanol (64-17-5)

LD50 oral rat	10470 mg/kg @95%
LC50 inhalation rat (mg/l)	117 - 125 mg/l/4h Sprague-Dawley
ATE CLP (oral)	10470,000 mg/kg bodyweight
ATE CLP (vapours)	117,000 mg/l/4h
ATE CLP (dust,mist)	117,000 mg/l/4h

Propan-2-ol (67-63-0)

LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	13900 mg/kg
LC50 inhalation rat (mg/l)	> 25000 mg/m ³
ATE CLP (oral)	5840,000 mg/kg bodyweight
ATE CLP (dermal)	13900,000 mg/kg bodyweight

Carvone (99-49-0)

LD50 oral rat	5400 mg/kg bodyweight Sprague Dawley
LD50 dermal rat	> 2000 mg/kg bodyweight Sprague Dawley
ATE CLP (oral)	5400,000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
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

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Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Narcotic in high concentrations.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ethanol (64-17-5)

LC50 fish 1	96h 14200 mg/l Pimephales promelas
LC50 other aquatic organisms 1	48h 5012 mg/l Ceriodaphnia dubia

Propan-2-ol (67-63-0)

LC50 fish 1	96h 9640 mg/l pimephales promelas
EC50 Daphnia 1	24h 9714 mg/l daphnia magna
LOEC (chronic)	1000 mg/l @8d algae

Carvone (99-49-0)

LC50 fish 1	96h 6,1 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 38 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 19 mg/l Pseudokirchneriella subcapitata
LOEC (acute)	72h 14 mg/l Pseudokirchneriella subcapitata
NOEC (acute)	72h 4,3 mg/l Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Ethanol (64-17-5)

Persistence and degradability biodegradable. Readily biodegradable in water.

Propan-2-ol (67-63-0)

Persistence and degradability Readily biodegradable.

12.3. Bioaccumulative potential

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Bioaccumulative potential Not established.

Ethanol (64-17-5)

Log Kow	-0,35
Bioaccumulative potential	Slightly bioaccumulative.

Propan-2-ol (67-63-0)

Log Pow	0,05
Log Kow	< 4
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Propan-2-ol (67-63-0)

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 : Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Pressurized container: Do not pierce or burn, even after use.

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European List of Waste (LoW) code : 18 01 06* - chemicals consisting of or containing dangerous substances
15 01 11* - metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)

14.3. Transport hazard class(es)

Class (ADR) : 2
Subsidiary risk (IMDG) : 2.1
Subsidiary risk (IATA) : 2.1
Danger labels (ADR) : 2.1



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

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D
Limited quantities (ADR) : 1I

14.6.2. Transport by sea

EmS-No. (1) : F-D, S-U

14.6.3. Air transport

Instruction "cargo" (ICAO) : 203
Instruction "passenger" (ICAO) : 203/Y203

14.7. Transport in bulk according to Annex II of MARPOL 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 REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
VOC content : 96,1 %

15.1.2. National regulations

Water hazard class (WGK) : 1 - low hazard to waters

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
EUH208	Contains . May produce an allergic reaction

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