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

1.1. Product identifier

Product form : Mixture
Product name : Dry Fuel
Product code : W71867

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

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.be

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]

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 3 H336
STOT RE 1 H372
Asp. Tox. 1 H304
Aquatic Chronic 3 H412

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11
Xn; R65
Xn; R48/20
Xi; R36
R66
R67

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) : 

Signal word (CLP) : Danger
Hazardous ingredients : Propan-2-ol, hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

EUH-statements:
EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements (CLP):
P102 - Keep out of reach of children
P405 - Store locked up
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260 - Do not breathe vapours
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P331 - Do NOT induce vomiting
P280 - Wear eye protection
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
--- | --- | --- | ---
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 | 50 - 75 | Flam. Liq. 2, Eye Irrit. 2, H225, H319, STOT SE 3, H336
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | (EC no) 919-164-8 (REACH-no) 01-2119473977-17 | 25 - 50 | Eye Irrit. 2, H319
2-butoxyethanol | (CAS No) 111-76-2  (EC no) 203-905-0 (EC index no) 603-014-00-0 (REACH-no) 01-2119475108-36 | 5 - 10 | Acute Tox. 4 (Inhalation:dust,mist), H332
Amines, tallow alkyl,ethoxylated | (CAS No) 61791-26-2  (EC no) 500-153-8 | 1 - 2,5 | Skin Irrit. 2, H315, Eye Irrit. 2, H319, Aquatic Chronic 3, H412
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine | (CAS No) 110-25-8  (EC no) 203-749-3 (REACH-no) 01-2119488991-20 | 0,1 - 1 | Acute Tox. 4 (Inhalation:dust,mist), H332

Name | Product identifier | % w | Classification according to Regulation (EC) No. 1272/2008 [CLP]
--- | --- | --- | ---
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 | 50 - 75 | Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | (EC no) 919-164-8 (REACH-no) 01-2119473977-17 | 25 - 50 | STOT RE 1, H372, Acute Tox. 4 (Dermal), H312, Acute Tox. 4 (Oral), H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319
2-butoxyethanol | (CAS No) 111-76-2  (EC no) 203-905-0 (EC index no) 603-014-00-0 (REACH-no) 01-2119475108-36 | 5 - 10 | Acute Tox. 4 (Oral), H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319, Aquatic Acute 1, H400
Amines, tallow alkyl,ethoxylated | (CAS No) 61791-26-2  (EC no) 500-153-8 | 1 - 2,5 | Acute Tox. 4 (Oral), H302, Skin Irrit. 2, H315, Eye Dam. 1, H318, Aquatic Acute 1, H400
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine | (CAS No) 110-25-8  (EC no) 203-749-3 (REACH-no) 01-2119488991-20 | 0,1 - 1 | Acute Tox. 4 (Oral), H302, Skin Irrit. 2, H315, Eye Dam. 1, H318, Aquatic Acute 1, H400
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:

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. Ingestion of large quantities: immediately to hospital.

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

Symptoms/injuries after skin contact:
skin corrosion/irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.

Symptoms/injuries after ingestion:
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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water spray. Alcohol resistant foam. ABC-powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard:
Highly flammable liquid and vapour. 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:
Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment:
Wear suitable protective clothing and gloves. Safety glasses. Face-shield.

Emergency procedures:
Mark the danger area. Seal off low-lying areas. Large spills/in enclosed spaces: compressed air apparatus. Use spark-/explosionproof appliances and lighting system. Take off contaminated clothing and wash before reuse.

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: 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: Meets 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.

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

Storage temperature: < 45 °C

Storage area: Meets 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

Propan-2-ol (67-63-0)
Belgium Limit value (mg/m³) 500 mg/m³
Belgium Limit value (ppm) 200 ppm
Belgium Short time value (mg/m³) 1000 mg/m³
Belgium Short time value (ppm) 400 ppm

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
ACGIH TWA (ppm) 100 ppm

2-butoxyethanol (111-76-2)
EU IOELV TWA (mg/m³) 98 mg/m³
EU IOELV TWA (ppm) 20 ppm
EU IOELV STEL (mg/m³) 246 mg/m³
EU IOELV STEL (ppm) 50 ppm
Belgium Limit value (mg/m³) 98 mg/m³
Belgium Limit value (ppm) 20 ppm
Belgium Short time value (mg/m³) 246 mg/m³
Belgium Short time value (ppm) 50 ppm
Belgium Remark (BE) D
Belgium Grenswaarde TGG 8H (mg/m³) 100 mg/m³
Belgium Grenswaarde TGG 8H (ppm) 20 ppm
Belgium Grenswaarde TGG 15MIN (mg/m³) 246 mg/m³
Belgium Grenswaarde TGG 15MIN (ppm) 50 ppm

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. Provide good ventilation in process area to prevent formation of vapour. Does not require any specific or particular technical measures.

Personal protective equipment: Gloves. Safety glasses.
Hand protection: 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: Breakthrough time: >30’. Thickness of the glove material >0,1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Liquid
- Appearance: Clear.
- Colour: Light blue.
- Odour: Alcohol.
- Odour threshold: No data available
- pH: No data available
- Relative evaporation rate (butylacetate=1): No data available
- Refraction index: 1,404
- Melting point: No data available
- Freezing point: No data available
- Boiling point: > 75 °C
- Flash point: 12 °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: 791 kg/m³
- Solubility: No data available
- Log Pow: No data available
- Log Kow: No data available
- Viscosity, kinematic @40°C: 1,37 mm²/s
- Viscosity, dynamic @40°C: No data available
- Viscosity: No data available
- Viscosity Index: No data available
- Explosive properties: No data available
- Oxidising properties: No data available
- Explosive limits: No data available

9.2. Other information

- VOC content: 98,5 %
- 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.

10.5. Incompatible materials

No additional information available
10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Harmful: may cause lung damage if swallowed

2-butoxyethanol (111-76-2)
ATE CLP (oral) 500,000 mg/kg bodyweight
ATE CLP (dermal) 1100,000 mg/kg bodyweight
ATE CLP (dust,mist) 1,500 mg/l/4h

Amines, tallow alkyl,ethoxylated (61791-26-2)
ATE CLP (oral) 500,000 mg/kg bodyweight

(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)
ATE CLP (dust,mist) 1,500 mg/l/4h

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) : May cause drowsiness or dizziness.
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 with long lasting effects.

12.2. Persistence and degradability

Propan-2-ol (67-63-0)
Persistence and degradability Readily biodegradable in water. Biodegradable.

Amines, tallow alkyl,ethoxylated (61791-26-2)
Persistence and degradability Not readily biodegradable in water.

12.3. Bioaccumulative potential

Propan-2-ol (67-63-0)
Log Kow < 4

12.4. Mobility in soil
No additional information available

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
UN-No. (ADR) : 1993

14.2. UN proper shipping name
Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.
Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Isopropanol), 3, II, (D/E)

14.3. Transport hazard class(es)
Class (ADR) : 3
Danger labels (ADR) : 3

14.4. Packing group
Packing group (ADR) : II

14.5. Environmental hazards
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport
Hazard identification number (Kemler No.) : 33
Classification code (ADR) : F1
Orange plates :

Special provisions (ADR) : 274, 601, 640D
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D/E
Limited quantities (ADR) : 1l
Excepted quantities (ADR) : E2
EAC code : •3YE

14.6.2. Transport by sea
EmS-No. (1) : F-E, S-E

14.6.3. Air transport
Instruction "cargo" (ICAO) : 364
Instruction "passenger" (ICAO) : 353
Instruction "passenger" - Limited quantities (ICAO) : Y341

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 substances with Annex XVII restrictions
Dry Fuel is not on the REACH Candidate List
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
VOC content : 98,5 %
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-statements:

- **Acute Tox. 4 (Dermal)**: Acute toxicity (dermal), Category 4
- **Acute Tox. 4 (Inhalation:dust,mist)**: Acute toxicity (inhalation:dust,mist) Category 4
- **Acute Tox. 4 (Oral)**: Acute toxicity (oral), Category 4
- **Aquatic Acute 1**: Hazardous to the aquatic environment — Acute Hazard, Category 1
- **Aquatic Chronic 3**: Hazardous to the aquatic environment — Chronic Hazard, Category 3
- **Asp. Tox. 1**: Aspiration hazard, Category 1
- **Eye Dam. 1**: Serious eye damage/eye irritation, Category 1
- **Eye Irrit. 2**: Serious eye damage/eye irritation, Category 2
- **Flam. Liq. 2**: Flammable liquids, Category 2
- **Skin Irrit. 2**: Skin corrosion/irritation, Category 2
- **STOT RE 1**: Specific target organ toxicity — Repeated exposure, Category 1
- **STOT SE 3**: Specific target organ toxicity — Single exposure, Category 3, Narcosis

- **H225**: Highly flammable liquid and vapour
- **H302**: Harmful if swallowed
- **H304**: May be fatal if swallowed and enters airways
- **H312**: Harmful in contact with skin
- **H315**: Causes skin irritation
- **H318**: Causes serious eye damage
- **H319**: Causes serious eye irritation
- **H332**: Harmful if inhaled
- **H336**: May cause drowsiness or dizziness
- **H372**: Causes damage to organs through prolonged or repeated exposure
- **H400**: Very toxic to aquatic life
- **H412**: Harmful to aquatic life with long lasting effects
- **R11**: Highly flammable
- **R20**: Harmful by inhalation
- **R20/21/22**: Harmful by inhalation, in contact with skin and if swallowed
- **R22**: Harmful if swallowed
- **R36**: Irritating to eyes
- **R36/38**: Irritating to eyes and skin
- **R38**: Irritating to skin
- **R41**: Risk of serious damage to eyes
- **R48/20**: Harmful: danger of serious damage to health by prolonged exposure through inhalation
- **R50**: Very toxic to aquatic organisms
- **R65**: Harmful: may cause lung damage if swallowed
- **R66**: Repeated exposure may cause skin dryness or cracking
- **R67**: Vapours may cause drowsiness and dizziness
- **F**: Highly flammable
- **N**: Dangerous for the environment
- **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.