

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Version: 2.1 Date of issue:13/12/2016 Supersedes: 07/11/2017 Revision date:03/05/2019

SECTION 1: Identification: Product identifier and chemical identity

Product identifier 1.1.

Product form : Mixture

Trade name : U-POL POWERCAN CLEARCOAT AEROSOL

Product code : PCLC/AL

Other means of identification

No additional information available

Recommended use of the chemical and restrictions on use

Recommended use : Topcoat

Supplier's details 1.4.

Supplier

U-POL AUSTRALIA PTY LIMITED Unit A, 16 - 20 Cassola Place Penrith. NSW 2750 - Australia T 02 4731 2655 - F 02 4731 2611 info@u-pol.co.nz - www.u-pol.com.au Supplier

U-POL NEW ZEALAND LIMITED c/o Lindsay & Associates Unit H. 12 Amera Place, East Tamaki Manukau City 2013 - New Zealand T + 612 4731 2655 - F + 612 4731 2611 technicalsupport@u-pol.com - www.u-pol.com

Emergency phone number

: Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800 Emergency number

764 766

SECTION 2: Hazards identification

Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable aerosols, Category 1 H222 Serious eye damage/eye irritation, Category 2A H319 Specific target organ toxicity — Single exposure, H336

Category 3, Narcosis

2.2. Label elements

Hazard pictograms (GHS AU)





Signal word (GHS AU) : Dangei

Contains : acetone (5 - 23 %); n-butyl acetate (5 - 23 %); ethyl methyl ketone (5 - 23 %); toluene (< 5 %)

H222 - Extremely flammable aerosol. Hazard statements (GHS AU) H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, open flames, sparks. No smoking.

P251 - Do not pierce or burn, even after use. P261 - Avoid breathing fume, spray, vapours.

P280 - Wear eye protection, protective clothing, protective gloves.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

| Name | CAS-No. | % | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|------------|---------|--------|--|
| acetone () | 67-64-1 | 5 - 23 | Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336 |

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| Name | CAS-No. | % | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|---|----------|-----------|---|
| n-butyl acetate () | 123-86-4 | 5 - 23 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| ethyl methyl ketone () | 78-93-3 | 5 - 23 | Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 Eye Irrit. 2A, H319 STOT SE 3, H336 |
| toluene () | 108-88-3 | < 5 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 |
| Other substances (not contributing to the classification of this product) | | 100 - 100 | |

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects : May cause drowsiness or dizziness.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated.

General measures : No flames, no sparks. Eliminate all sources of ignition.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No flames, no sparks. Eliminate all sources of ignition.

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours,

fume, spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection"."

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain released product. Collect spillage.

Methods for cleaning up : Mechanically recover the product.

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SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid

breathing vapours, fume, spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked

up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Storage temperature : < 25 °C

Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

| toluene (108-88-3) | | |
|--------------------|----------------------|---|
| Australia | Local name | Toluene |
| Australia | TWA (mg/m³) | 191 mg/m³ |
| Australia | TWA (ppm) | 50 ppm |
| Australia | STEL (mg/m³) | 574 mg/m³ |
| Australia | STEL (ppm) | 150 ppm |
| Australia | Remark (AU) | Sk - Absorption through the skin may be a significant source of exposure. |
| New Zealand | Local name | Toluene (Toluol) |
| New Zealand | TWA (mg/m³) | 188 mg/m³ |
| New Zealand | TWA (ppm) | 50 ppm |
| New Zealand | Remark (NZ) | skin (Skin absorption) |
| New Zealand | Regulatory reference | Worplace Exposure Standards and Biological Exposure Indices, 8th Edition |

| ethyl methyl ketone (78-93-3) | | |
|-------------------------------|----------------------|--|
| Australia | Local name | Methyl ethyl ketone (MEK) (2-Butanone) |
| Australia | TWA (mg/m³) | 445 mg/m³ |
| Australia | TWA (ppm) | 150 ppm |
| Australia | STEL (mg/m³) | 890 mg/m³ |
| Australia | STEL (ppm) | 300 ppm |
| New Zealand | Local name | Methyl ethyl ketone (2-Butanone) (MEK) |
| New Zealand | TWA (mg/m³) | 445 mg/m³ |
| New Zealand | TWA (ppm) | 150 ppm |
| New Zealand | STEL (mg/m³) | 890 mg/m³ |
| New Zealand | STEL (ppm) | 300 ppm |
| New Zealand | Regulatory reference | Worplace Exposure Standards and Biological Exposure Indices, 9th Edition |

| n-butyl acetate (123-86-4) | | |
|----------------------------|----------------------|--|
| Australia | Local name | n-Butyl acetate |
| Australia | TWA (mg/m³) | 713 mg/m³ |
| Australia | TWA (ppm) | 150 ppm |
| Australia | STEL (mg/m³) | 950 mg/m³ |
| Australia | STEL (ppm) | 200 ppm |
| New Zealand | Local name | n-Butyl acetate |
| New Zealand | TWA (mg/m³) | 713 mg/m³ |
| New Zealand | TWA (ppm) | 150 ppm |
| New Zealand | STEL (mg/m³) | 950 mg/m³ |
| New Zealand | STEL (ppm) | 200 ppm |
| New Zealand | Regulatory reference | Worplace Exposure Standards and Biological Exposure Indices, 9th Edition |

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| acetone (67-64-1) | | |
|-------------------|----------------------|--|
| Australia | Local name | Acetone |
| Australia | TWA (mg/m³) | 1185 mg/m³ |
| Australia | TWA (ppm) | 500 ppm |
| Australia | STEL (mg/m³) | 2375 mg/m³ |
| Australia | STEL (ppm) | 1000 ppm |
| New Zealand | Local name | Acetone |
| New Zealand | TWA (mg/m³) | 1185 mg/m³ |
| New Zealand | TWA (ppm) | 500 ppm |
| New Zealand | STEL (mg/m³) | 2375 mg/m³ |
| New Zealand | STEL (ppm) | 1000 ppm |
| New Zealand | Regulatory reference | Worplace Exposure Standards and Biological Exposure Indices, 9th Edition |

Exposure limit values for the other components

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

Personal protective equipment : Gloves. Protective clothing. Safety glasses.

Materials for protective clothing : Impermeable clothing
Hand protection : Protective gloves
Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)







Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance :

Aerosol.

Colour : No data available
Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : Melting point : Not applicable

Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative density : No data available
Density : Density : 0.784 g/cm³

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Solubility : insoluble in water. soluble in most organic solvents.

Log Pow : No data available

Viscosity, dynamic

Pressurised container: May burst if heated. Explosive properties

Explosive limits : No data available : No data available Minimum ignition energy VOC content - Regulatory : No data available Gas group : Press. Gas (Liq.)

SECTION 10: Stability and reactivity

Reactivity : Extremely flammable aerosol. Pressurised container: May burst if heated. Extremely flammable

aerosol. Pressurised container: May burst if heated.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.

Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be

produced.

SECTION 11: Toxicological information

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

| toluene (108-88-3) | | |
|---|---|--|
| LD50 oral rat | 5580 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral (one dose)) | |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight (Other, 24 h, Rabbit, Male, Experimental value, Dermal) | |
| LC50 inhalation rat (Vapours - mg/l/4h) | 25.7 mg/l/4h (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours)) | |
| ethyl methyl ketone (78-93-3) | | |
| LD50 oral rat | 2193 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male/female, Readacross, Oral) | |
| LD50 dermal rabbit | > 10 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal) | |
| n-butyl acetate (123-86-4) | | |
| LD50 oral rat | 10760 - 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male/female, Experimental value, Oral) | |
| LD50 dermal rabbit | 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male/female, Experimental value, Dermal) | |
| LC50 inhalation rat (ppm) | 390 ppm/4h | |
| LC50 inhalation rat (Vapours - mg/l/4h) | > 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours) | |
| acetone (67-64-1) | | |
| LD50 oral rat | 5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) | |
| LD50 dermal rabbit | 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) | |
| LC50 inhalation rat (mg/l) | 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) | |

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

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified Aspiration hazard : Not classified

| U-POL POWERCAN CLEARCOAT AEROSOL | |
|----------------------------------|---------|
| Vaporizer | Aerosol |

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SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

| Silionic aquatic toxicity | . Not classified |
|-------------------------------|--|
| toluene (108-88-3) | |
| LC50 fish 1 | 5.5 mg/l (96 h, Oncorhynchus kisutch, Flow-through system, Fresh water, Experimental value) |
| BCF fish 1 | 90 (72 h, Leuciscus idus, Static system, Fresh water, Experimental value) |
| Log Pow | 2.73 (Experimental value, 20 °C) |
| ethyl methyl ketone (78-93-3) | |
| LC50 fish 1 | 2993 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, GLP) |
| EC50 Daphnia 1 | 308 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| ErC50 (algae) | 1972 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| Log Pow | 0.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C) |
| Log Koc | 1.53 (log Koc, Calculated value) |
| n-butyl acetate (123-86-4) | |
| LC50 fish 1 | 18 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) |
| LC50 fish 2 | 62 mg/l (Leuciscus idus, static system) |
| EC50 Daphnia 1 | 44 mg/l (48 h, Daphnia sp., Static system, Fresh water, Experimental value) |
| NOEC chronic crustacea | 23 mg/l |
| BCF fish 1 | 15.3 (Calculated value) |
| Log Pow | 2.3 (Test data, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Log Koc | 1.268 - 1.844 (log Koc, SRC PCKOCWIN v2.0, QSAR) |
| acetone (67-64-1) | |
| LC50 fish 1 | 5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Nominal concentration) |
| BCF fish 1 | 0.69 (Pisces) |
| BCF other aquatic organisms 1 | 3 (BCFWIN, Calculated value) |
| Log Pow | -0.24 (Test data) |

12.2. Persistence and degradability

| toluene (108-88-3) | | |
|---------------------------------|--|--|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. | |
| Biochemical oxygen demand (BOD) | 2.15 g O ₂ /g substance | |
| Chemical oxygen demand (COD) | 2.52 g O ₂ /g substance | |
| ThOD | 3.13 g O ₂ /g substance | |
| BOD (% of ThOD) | 0.69 | |
| ethyl methyl ketone (78-93-3) | | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. | |
| Biochemical oxygen demand (BOD) | 2.03 g O ₂ /g substance | |
| Chemical oxygen demand (COD) | 2.31 g O ₂ /g substance | |
| ThOD | 2.44 g O ₂ /g substance | |
| n-butyl acetate (123-86-4) | | |
| Persistence and degradability | Readily biodegradable in water. | |
| ThOD | 2.21 g O₂/g substance | |
| BOD (% of ThOD) | 0.46 | |
| acetone (67-64-1) | | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. | |

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| Section (67-64-1) Sect | ccording to the Model Work Health and Safety Regulations | | |
|--|--|--|--|
| Citemical oxygen demand (COD) | acetone (67-64-1) | | |
| ThOD 2.2 g O/g substance BOD (% of ThOD) 0.872 (20 day(s), Literature study) 12.3. Bioaccumulative potential See section 12.1 on ecotoxicology Electrology | Biochemical oxygen demand (BOD) | 1.43 g O₂/g substance | |
| BOD Fish of ThOD | Chemical oxygen demand (COD) | 1.92 g O₂/g substance | |
| toluene (108-88-3) BIO-BECH IN See section 12.1 on ecotoxicology BIO-BECH IN See section 12.1 on ecotoxicology BIO-BECH IN See section 12.1 on ecotoxicology BIO-BECH IN SEE SEE SEE SEE SEE SEE SEE SEE SEE SE | ThOD | 2.2 g O ₂ /g substance | |
| See section 12.1 on ecotoxicology | BOD (% of ThOD) | 0.872 (20 day(s), Literature study) | |
| Log Pow See section 12.1 on ecotoxicology | 12.3. Bioaccumulative potential | | |
| Log Pow See section 12.1 on ecotoxicology | toluene (108-88-3) | | |
| Log Pow See section 12.1 on ecotoxicology | , | See section 12.1 on ecotoxicology | |
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| Low potential for bioaccumulation (Log Kow < 4). | | | |
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| Log Koc See section 12.1 on ecotoxicology | | • | |
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| acetone (67-64-1) | |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |

SECTION 13: Disposal considerations

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) : 1950 UN-No. (IMDG) : 1950 UN-No. (IATA) : 1950

14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : 2.1
Danger labels (ADG) : 2.1



IMDG

Transport hazard class(es) (IMDG) : 2.1
Danger labels (IMDG) : 2.1



IATA

Transport hazard class(es) (IATA) : 2.1 Hazard labels (IATA) : 2.1



14.4. Packing group

Packing group (ADG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

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Transport by road and rail

UN-No. (ADG) : 1950

Special provision (ADG) : 190, 277, 327, 344, 63

Limited quantities (ADG) : See SP 277
Packing instructions (ADG) : P207, LP02
Special packing provisions (ADG) : PP87, L2

Transport by sea

UN-No. (IMDG) : 1950

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959

Packing instructions (IMDG) : P207, LP200 Special packing provisions (IMDG) : PP87, L2

EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES

EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)

Stowage category (IMDG) : None

Air transport

UN-No. (IATA) : 1950 PCA Excepted quantities (IATA) : E0 PCA Limited quantities (IATA) : Y203 PCA limited quantity max net quantity (IATA) : 30kgG PCA packing instructions (IATA) : 203 PCA max net quantity (IATA) : 75kg CAO packing instructions (IATA) : 203 CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

14.8. Hazchem or Emergency Action Code

Hazchemcode : Not applicable

SECTION 15: Regulatory information

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

No additional information available

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002515 Group standard : Aerosols

ethylbenzene (100-41-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001151

2-phenoxyethanol (122-99-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003045

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Revision date : 03/05/2019

Classification:

| Flam. Aerosol 1 | H222 |
|-----------------|------|
| Eye Irrit. 2A | H319 |
| STOT SE 3 | H336 |

Full text of H-statements:

Acute Tox. 5 (Oral) Acute toxicity (oral), Category 5

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| Asp. Tox. 1 | Aspiration hazard, Category 1 |
|-----------------|--|
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Flam. Aerosol 1 | Flammable aerosols, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H303 | May be harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

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