

Wynn's Brake Cleaner (Professional Formula)

ITW Polymers & Fluids (NZ)

Chemwatch: 5218-04

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

Issue Date: 01/11/2019

Print Date: 08/07/2021

Initial Date: 20/07/2016

S.GHS.NZL.EN

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

Product Identifier

| | |
|-------------------------------|---|
| Product name | Wynn's Brake Cleaner (Professional Formula) |
| Chemical Name | Not Applicable |
| Synonyms | Product Code: 62911 |
| Proper shipping name | AEROSOLS |
| Chemical formula | Not Applicable |
| Other means of identification | Not Available |

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

| | |
|--------------------------|------------------------|
| Relevant identified uses | Vehicle brake cleaner. |
|--------------------------|------------------------|

Details of the supplier of the safety data sheet

| | |
|-------------------------|--|
| Registered company name | Autoserv NZ Ltd |
| Address | Unit 2/38 Trugood Drive, East Tamaki Not Available 2013 Auckland New Zealand |
| Telephone | 09 272 1940 |
| Fax | Not Available |
| Website | www.autoserv.co.nz |
| Email | Not Available |

Emergency telephone number

| | |
|-----------------------------------|------------------------------|
| Association / Organisation | CHEMWATCH EMERGENCY RESPONSE |
| Emergency telephone numbers | +61 2 9186 1132 |
| Other emergency telephone numbers | +64 800 700 112 |

CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |
|-----------------|----------------------|----------------------|
| +61 2 9186 1132 | +64 800 700 112 | Not Available |

Once connected and if the message is not in your preferred language then please dial 01



SECTION 2 Hazards identification

Classification of the substance or mixture

| | |
|--|---|
| Classification [1] | Skin Corrosion/Irritation Category 3, Aspiration Hazard Category 1, Acute Aquatic Hazard Category 2, Flammable Liquid Category 1 |
| Legend: | 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI |
| Determined by Chemwatch using GHS/HSNO criteria Gazetted by EPA New Zealand | 3.1A, 6.1E (aspiration), 6.3B, 9.1D |

Wynn's Brake Cleaner (Professional Formula)

Label elements

| | |
|---------------------|---|
| Hazard pictogram(s) |   |
|---------------------|---|

| | |
|-------------|--------|
| Signal word | Danger |
|-------------|--------|

Hazard statement(s)

| | |
|------|---|
| H316 | Causes mild skin irritation. |
| H304 | May be fatal if swallowed and enters airways. |
| H401 | Toxic to aquatic life. |
| H224 | Extremely flammable liquid and vapour. |

Precautionary statement(s) Prevention

| | |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment. |

Precautionary statement(s) Response

| | |
|-----------|---|
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider. |
| P331 | Do NOT induce vomiting. |
| P370+P378 | In case of fire: Use alcohol resistant foam or normal protein foam to extinguish. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |

Precautionary statement(s) Storage

| | |
|-----------|--|
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

Precautionary statement(s) Disposal

| | |
|------|--|
| P501 | Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. |
|------|--|

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

| CAS No | %[weight] | Name |
|-------------|-----------|-------------------------------|
| 8032-32-4. | 70-80 | <u>petroleum ether</u> |
| 68476-85-7. | 20-25 | <u>hydrocarbon propellant</u> |
| 124-38-9 | 0.5-3 | <u>carbon dioxide</u> |

SECTION 4 First aid measures

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Description of first aid measures

| General | |
|-------------|---|
| Eye Contact | <p>If aerosols come in contact with the eyes:</p> <ul style="list-style-type: none"> ▶ Immediately hold the eyelids apart and flush the eye with fresh running water. ▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention. |

Continued...

Wynn's Brake Cleaner (Professional Formula)

| | |
|---------------------|---|
| | <ul style="list-style-type: none"> ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | <p>If skin contact occurs:</p> <ul style="list-style-type: none"> ▶ Immediately remove all contaminated clothing, including footwear. ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation. |
| Inhalation | <p>If aerosols, fumes or combustion products are inhaled:</p> <ul style="list-style-type: none"> ▶ Remove to fresh air. ▶ Lay patient down. Keep warm and rested. ▶ Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. ▶ If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ▶ Transport to hospital, or doctor. |
| Ingestion | <ul style="list-style-type: none"> ▶ If swallowed do NOT induce vomiting. ▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ▶ Observe the patient carefully. ▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. ▶ Seek medical advice. |

Indication of any immediate medical attention and special treatment needed

For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:

- ▶ Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
- ▶ Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO₂ 50 mm Hg) should be intubated.
- ▶ Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- ▶ A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.
- ▶ Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.
- ▶ Lavage is indicated in patients who require decontamination; ensure use of cuffed endotracheal tube in adult patients. [Ellenhorn and Barceloux: Medical Toxicology]

Treat symptomatically.

SECTION 5 Firefighting measures**Extinguishing media**

| | |
|--|---|
| | <p>SMALL FIRE:</p> <ul style="list-style-type: none"> ▶ Water spray, dry chemical or CO₂ <p>LARGE FIRE:</p> <ul style="list-style-type: none"> ▶ Water spray or fog. |
|--|---|

Special hazards arising from the substrate or mixture

| | |
|-----------------------------|--|
| Fire Incompatibility | <ul style="list-style-type: none"> ▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |
|-----------------------------|--|

Advice for firefighters

| | |
|------------------------------|--|
| Fire Fighting | <ul style="list-style-type: none"> ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ May be violently or explosively reactive. ▶ Wear breathing apparatus plus protective gloves. ▶ Prevent, by any means available, spillage from entering drains or water course. |
| Fire/Explosion Hazard | <ul style="list-style-type: none"> ▶ Liquid and vapour are highly flammable. ▶ Severe fire hazard when exposed to heat or flame. ▶ Vapour forms an explosive mixture with air. ▶ Severe explosion hazard, in the form of vapour, when exposed to flame or spark. <p>Combustion products include: carbon dioxide (CO₂) other pyrolysis products typical of burning organic material.</p> |

SECTION 6 Accidental release measures

Wynn's Brake Cleaner (Professional Formula)

Personal precautions, protective equipment and emergency procedures

| | |
|--------------|---|
| Minor Spills | <ul style="list-style-type: none"> ▸ Clean up all spills immediately. ▸ Avoid breathing vapours and contact with skin and eyes. ▸ Wear protective clothing, impervious gloves and safety glasses. ▸ Shut off all possible sources of ignition and increase ventilation. |
| Major Spills | <ul style="list-style-type: none"> ▸ Clear area of personnel and move upwind. ▸ Alert Fire Brigade and tell them location and nature of hazard. ▸ May be violently or explosively reactive. ▸ Wear breathing apparatus plus protective gloves. |
| | Personal Protective Equipment advice is contained in Section 8 of the SDS. |

SECTION 7 Handling and storage

Precautions for safe handling

| | |
|-------------------|--|
| Safe handling | <ul style="list-style-type: none"> ▸ Avoid all personal contact, including inhalation. ▸ Wear protective clothing when risk of exposure occurs. ▸ Use in a well-ventilated area. ▸ Prevent concentration in hollows and sumps. |
| Other information | <ul style="list-style-type: none"> ▸ Store below 38 deg. C. ▸ Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can ▸ Store in original containers in approved flammable liquid storage area. ▸ DO NOT store in pits, depressions, basements or areas where vapours may be trapped. ▸ No smoking, naked lights, heat or ignition sources. ▸ Keep containers securely sealed. |

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------|---|
| Suitable container | <ul style="list-style-type: none"> ▸ Aerosol dispenser. ▸ Check that containers are clearly labelled. |
| Storage incompatibility | <ul style="list-style-type: none"> ▸ Avoid reaction with oxidising agents |

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|--|------------------------|-------------------------------|-----------------------|-------------------------|---------------|--|
| New Zealand Workplace Exposure Standards (WES) | petroleum ether | Oil mist, mineral | 5 mg/m3 | 10 mg/m3 | Not Available | om-Sampled by a method that does not collect vapour. |
| New Zealand Workplace Exposure Standards (WES) | hydrocarbon propellant | LPG (Liquefied petroleum gas) | 1000 ppm / 1800 mg/m3 | Not Available | Not Available | Not Available |
| New Zealand Workplace Exposure Standards (WES) | carbon dioxide | Carbon dioxide | 5000 ppm / 9000 mg/m3 | 54000 mg/m3 / 30000 ppm | Not Available | Not Available |

Emergency Limits

| Ingredient | Material name | TEEL-1 | TEEL-2 | TEEL-3 |
|------------------------|---------------|-------------|--------------|--------------|
| petroleum ether | Not Available | 1,100 mg/m3 | 1,800 mg/m3 | 40,000 mg/m3 |
| hydrocarbon propellant | Not Available | 65,000 ppm | 2.30E+05 ppm | 4.00E+05 ppm |


| Ingredient | Original IDLH | Revised IDLH |
|------------------------|---------------|---------------|
| petroleum ether | 2,500 mg/m3 | Not Available |
| hydrocarbon propellant | 2,000 ppm | Not Available |
| carbon dioxide | 40,000 ppm | Not Available |

Exposure controls

| | |
|----------------------------------|---|
| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to |
|----------------------------------|---|

Continued...

Wynn's Brake Cleaner (Professional Formula)

| | |
|-------------------------|--|
| | <p>provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.</p> |
| Personal protection |  |
| Eye and face protection | <p>No special equipment for minor exposure i.e. when handling small quantities.</p> <p>OTHERWISE: For potentially moderate or heavy exposures:</p> <ul style="list-style-type: none"> ▸ Safety glasses with side shields. ▸ NOTE: Contact lenses pose a special hazard; soft lenses may absorb irritants and ALL lenses concentrate them. |
| Skin protection | See Hand protection below |
| Hands/feet protection | <ul style="list-style-type: none"> ▸ No special equipment needed when handling small quantities. ▸ OTHERWISE: ▸ For potentially moderate exposures: ▸ Wear general protective gloves, eg. light weight rubber gloves. ▸ For potentially heavy exposures: ▸ Wear chemical protective gloves, eg. PVC. and safety footwear. |
| Body protection | See Other protection below |
| Other protection | <p>No special equipment needed when handling small quantities.</p> <p>OTHERWISE:</p> <ul style="list-style-type: none"> ▸ Overalls. ▸ Skin cleansing cream. ▸ Eyewash unit. |
| Thermal hazards | Not Available |

Respiratory protection

Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

| | | | |
|--|--|---|----------------|
| Appearance | <p>Clear, highly flammable liquid with solvent odour; does not mix with water.</p> <p>Supplied as an aerosol pack. Contents under PRESSURE. Contains highly flammable hydrocarbon propellant.</p> | | |
| Physical state | Liquid | Relative density (Water = 1) | 0.678-0.730 |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | 230 |
| pH (as supplied) | Not Applicable | Decomposition temperature | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | >60 | Molecular weight (g/mol) | Not Applicable |
| Flash point (°C) | >-22 (OC) | Taste | Not Available |
| Evaporation rate | <1 Ether = 1 | Explosive properties | Not Available |
| Flammability | HIGHLY FLAMMABLE. | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | 6.3 | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | 1.2 | Volatile Component (%vol) | >95 |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water | Immiscible | pH as a solution (%) | Not Applicable |
| Vapour density (Air = 1) | Not Available | VOC g/L | Not Available |

Continued...

Wynn's Brake Cleaner (Professional Formula)

SECTION 10 Stability and reactivity

| | |
|---|--|
| Reactivity | See section 7 |
| Chemical stability | <ul style="list-style-type: none"> ▸ Elevated temperatures. ▸ Presence of open flame. ▸ Product is considered stable. ▸ Hazardous polymerisation will not occur. |
| Possibility of hazardous reactions | See section 7 |
| Conditions to avoid | See section 7 |
| Incompatible materials | See section 7 |
| Hazardous decomposition products | See section 5 |

SECTION 11 Toxicological information

Information on toxicological effects

| | |
|---------------------|---|
| Inhaled | <p>Inhalation of high concentrations of gas/vapour causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and inco-ordination.</p> <p>If exposure to highly concentrated solvent atmosphere is prolonged this may lead to narcosis, unconsciousness, even coma and possible death.</p> <p>WARNING: Intentional misuse by concentrating/inhaling contents may be lethal.</p> |
| Ingestion | <p>Not normally a hazard due to physical form of product.</p> <p>Ingestion may result in nausea, pain, vomiting. Vomit entering the lungs by aspiration may cause potentially lethal chemical pneumonitis.</p> |
| Skin Contact | There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. |
| Eye | Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn). |
| Chronic | <p>Constant or exposure over long periods to mixed hydrocarbons may produce stupor with dizziness, weakness and visual disturbance, weight loss and anaemia, and reduced liver and kidney function. Skin exposure may result in drying and cracking and redness of the skin.</p> <p>Chronic solvent inhalation exposures may result in nervous system impairment and liver and blood changes. [PATTYS]</p> |

| | | |
|--|-----------------|-------------------|
| Wynn's Brake Cleaner (Professional Formula) | TOXICITY | IRRITATION |
| Wynn's Brake Cleaner (Professional Formula) | TOXICITY | IRRITATION |
| Wynn's Brake Cleaner (Professional Formula) | TOXICITY | IRRITATION |
| Wynn's Brake Cleaner (Professional Formula) | TOXICITY | IRRITATION |

Legend:

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. * Value obtained from manufacturer's SDS.
Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

| | |
|--|---|
| Wynn's Brake Cleaner (Professional Formula) | <p>Animal studies indicate that normal, branched and cyclic paraffins are absorbed from the gastrointestinal tract and that the absorption of n-paraffins is inversely proportional to the carbon chain length, with little absorption above C30. With respect to the carbon chain lengths likely to be present in mineral oil, n-paraffins may be absorbed to a greater extent than iso- or cyclo-paraffins.</p> <p>The major classes of hydrocarbons are well absorbed into the gastrointestinal tract in various species. In many cases, the hydrophobic hydrocarbons are ingested in association with fats in the diet. Some hydrocarbons may appear unchanged as in the lipoprotein particles in the gut lymph, but most hydrocarbons partly separate from fats and undergo metabolism in the gut cell.</p> <p>For petroleum: This product contains benzene, which can cause acute myeloid leukaemia, and n-hexane, which can be metabolized to compounds which are toxic to the nervous system. This product contains toluene, and animal studies suggest high concentrations of toluene lead to hearing loss. This product contains ethyl benzene and naphthalene, from which animal testing shows evidence of tumour formation.</p> <p>Cancer-causing potential: Animal testing shows inhaling petroleum causes tumours of the liver and kidney; these are however not considered to be relevant in humans.</p> <p>Mutation-causing potential: Most studies involving gasoline have returned negative results regarding the potential to cause mutations, including all recent studies in living human subjects (such as in petrol service station attendants).</p> |
|--|---|

Wynn's Brake Cleaner (Professional Formula)

| | |
|---|--|
| Wynn's Brake Cleaner (Professional Formula) | inhalation of the gas |
| Wynn's Brake Cleaner (Professional Formula) | No significant acute toxicological data identified in literature search. |

| | | | |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity | ✗ | Carcinogenicity | ✗ |
| Skin Irritation/Corrosion | ✓ | Reproductivity | ✗ |
| Serious Eye Damage/Irritation | ✗ | STOT - Single Exposure | ✗ |
| Respiratory or Skin sensitisation | ✗ | STOT - Repeated Exposure | ✗ |
| Mutagenicity | ✗ | Aspiration Hazard | ✓ |

Legend: ✓ – Data available to make classification
✗ – Data available but does not fill the criteria for classification
⊖ – Data Not Available to make classification

SECTION 12 Ecological information

Toxicity

Not Available

| Ingredient | Endpoint | Test Duration (hr) | Effect | Value | Species | BCF |
|---|---------------|--------------------|---------------|---------------|---------------|---------------|
| Wynn's Brake Cleaner (Professional Formula) | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available |
| Wynn's Brake Cleaner (Professional Formula) | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available |
| Wynn's Brake Cleaner (Professional Formula) | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available |
| Wynn's Brake Cleaner (Professional Formula) | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available |

DO NOT discharge into sewer or waterways.

Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|----------------|-------------------------|------------------|
| carbon dioxide | LOW | LOW |

Bioaccumulative potential

| Ingredient | Bioaccumulation |
|----------------|---------------------|
| carbon dioxide | LOW (LogKOW = 0.83) |

Mobility in soil

| Ingredient | Mobility |
|----------------|--------------------|
| carbon dioxide | HIGH (KOC = 1.498) |

SECTION 13 Disposal considerations

Waste treatment methods


| | |
|------------------------------|--|
| Product / Packaging disposal | <ul style="list-style-type: none"> Consult State Land Waste Management Authority for disposal. Discharge contents of damaged aerosol cans at an approved site. Allow small quantities to evaporate. DO NOT incinerate or puncture aerosol cans. |
| | Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017 |

SECTION 14 Transport information

Labels Required

Continued...

Wynn's Brake Cleaner (Professional Formula)

| | |
|-------------------------|---|
| |  |
| Marine Pollutant | NO Not Applicable |
| HAZCHEM | Not Applicable |

Land transport (UN)

| | | | | | |
|-------------------------------------|---|--------------------|-----------------------------|------------------|----------------|
| UN number | 1950 | | | | |
| Packing group | Not Applicable | | | | |
| UN proper shipping name | AEROSOLS | | | | |
| Environmental hazard | No relevant data | | | | |
| Transport hazard class(es) | <table> <tr> <td>Class</td><td>2.1</td></tr> <tr> <td>Subrisk</td><td>Not Applicable</td></tr> </table> | Class | 2.1 | Subrisk | Not Applicable |
| Class | 2.1 | | | | |
| Subrisk | Not Applicable | | | | |
| Special precautions for user | <table> <tr> <td>Special provisions</td><td>63; 190; 277; 327; 344; 381</td></tr> <tr> <td>Limited quantity</td><td>1000ml</td></tr> </table> | Special provisions | 63; 190; 277; 327; 344; 381 | Limited quantity | 1000ml |
| Special provisions | 63; 190; 277; 327; 344; 381 | | | | |
| Limited quantity | 1000ml | | | | |

Air transport (ICAO-IATA / DGR)

| | | | | | | | | | | | | | | | |
|---|--|--------------------|----------------|---------------------------------|----------------|-------------------------------|--------|--|-----|--|-------|---|------|--|---------|
| UN number | 1950 | | | | | | | | | | | | | | |
| Packing group | Not Applicable | | | | | | | | | | | | | | |
| UN proper shipping name | Aerosols, flammable | | | | | | | | | | | | | | |
| Environmental hazard | No relevant data | | | | | | | | | | | | | | |
| Transport hazard class(es) | <table> <tr> <td>ICAO/IATA Class</td><td>2.1</td></tr> <tr> <td>ICAO / IATA Subrisk</td><td>Not Applicable</td></tr> <tr> <td>ERG Code</td><td>10L</td></tr> </table> | ICAO/IATA Class | 2.1 | ICAO / IATA Subrisk | Not Applicable | ERG Code | 10L | | | | | | | | |
| ICAO/IATA Class | 2.1 | | | | | | | | | | | | | | |
| ICAO / IATA Subrisk | Not Applicable | | | | | | | | | | | | | | |
| ERG Code | 10L | | | | | | | | | | | | | | |
| Special precautions for user | <table> <tr> <td>Special provisions</td><td>A145 A167 A802</td></tr> <tr> <td>Cargo Only Packing Instructions</td><td>203</td></tr> <tr> <td>Cargo Only Maximum Qty / Pack</td><td>150 kg</td></tr> <tr> <td>Passenger and Cargo Packing Instructions</td><td>203</td></tr> <tr> <td>Passenger and Cargo Maximum Qty / Pack</td><td>75 kg</td></tr> <tr> <td>Passenger and Cargo Limited Quantity Packing Instructions</td><td>Y203</td></tr> <tr> <td>Passenger and Cargo Limited Maximum Qty / Pack</td><td>30 kg G</td></tr> </table> | Special provisions | A145 A167 A802 | Cargo Only Packing Instructions | 203 | Cargo Only Maximum Qty / Pack | 150 kg | Passenger and Cargo Packing Instructions | 203 | Passenger and Cargo Maximum Qty / Pack | 75 kg | Passenger and Cargo Limited Quantity Packing Instructions | Y203 | Passenger and Cargo Limited Maximum Qty / Pack | 30 kg G |
| Special provisions | A145 A167 A802 | | | | | | | | | | | | | | |
| Cargo Only Packing Instructions | 203 | | | | | | | | | | | | | | |
| Cargo Only Maximum Qty / Pack | 150 kg | | | | | | | | | | | | | | |
| Passenger and Cargo Packing Instructions | 203 | | | | | | | | | | | | | | |
| Passenger and Cargo Maximum Qty / Pack | 75 kg | | | | | | | | | | | | | | |
| Passenger and Cargo Limited Quantity Packing Instructions | Y203 | | | | | | | | | | | | | | |
| Passenger and Cargo Limited Maximum Qty / Pack | 30 kg G | | | | | | | | | | | | | | |

Sea transport (IMDG-Code / GGVSee)

| | | | | | | | |
|-------------------------------------|---|------------|-----------|--------------------|----------------------------|--------------------|---------|
| UN number | 1950 | | | | | | |
| Packing group | Not Applicable | | | | | | |
| UN proper shipping name | AEROSOLS | | | | | | |
| Environmental hazard | Not Applicable | | | | | | |
| Transport hazard class(es) | <table> <tr> <td>IMDG Class</td><td>2.1</td></tr> <tr> <td>IMDG Subrisk</td><td>Not Applicable</td></tr> </table> | IMDG Class | 2.1 | IMDG Subrisk | Not Applicable | | |
| IMDG Class | 2.1 | | | | | | |
| IMDG Subrisk | Not Applicable | | | | | | |
| Special precautions for user | <table> <tr> <td>EMS Number</td><td>F-D , S-U</td></tr> <tr> <td>Special provisions</td><td>63 190 277 327 344 381 959</td></tr> <tr> <td>Limited Quantities</td><td>1000 ml</td></tr> </table> | EMS Number | F-D , S-U | Special provisions | 63 190 277 327 344 381 959 | Limited Quantities | 1000 ml |
| EMS Number | F-D , S-U | | | | | | |
| Special provisions | 63 190 277 327 344 381 959 | | | | | | |
| Limited Quantities | 1000 ml | | | | | | |

Transport in bulk according to Annex II of MARPOL and the IBC code

Continued...

Wynn's Brake Cleaner (Professional Formula)

| Source | Ingredient | Pollution Category |
|---------------|---|--------------------|
| Not Available | Wynn's Brake Cleaner (Professional Formula) | Not Available |

SECTION 15 Regulatory information

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

This substance is to be managed using the conditions specified in an applicable Group Standard. This substance can be managed under the controls specified in the Transfer Notice or alternatively it may be managed using the conditions specified in an applicable Group Standard.

| HSR Number | Group Standard |
|------------|--|
| HSR002515 | Aerosols (Flammable) Group Standard 2006 |

petroleum ether(8032-32-4.) is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

New Zealand Approved Hazardous Substances with controls

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

New Zealand Inventory of Chemicals (NZIoC)

New Zealand Workplace Exposure Standards (WES)

hydrocarbon propellant(68476-85-7.) is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

New Zealand Approved Hazardous Substances with controls

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data

New Zealand Inventory of Chemicals (NZIoC)

New Zealand Workplace Exposure Standards (WES)

carbon dioxide(124-38-9) is found on the following regulatory lists

New Zealand Approved Hazardous Substances with controls

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data

New Zealand Inventory of Chemicals (NZIoC)

New Zealand Workplace Exposure Standards (WES)

Hazardous Substance Location

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Hazard Class | Quantity (Closed Containers) | Quantity (Open Containers) |
|--------------|------------------------------|----------------------------|
| 3.1A | 20 L | 20 L |

Certified Handler

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Class of substance | Quantities |
|--------------------|----------------|
| Not Applicable | Not Applicable |

Refer Group Standards for further information

| National Inventory | Status |
|-------------------------------|--|
| Australia - AIIC | |
| Canada - DSL | Yes |
| Canada - NDSL | No (petroleum ether; hydrocarbon propellant; carbon dioxide) |
| China - IECSC | Yes |
| Europe - EINEC / ELINCS / NLP | Yes |
| Japan - ENCS | No (petroleum ether) |
| Korea - KECI | Yes |
| New Zealand - NZIoC | Yes |

Continued...

Wynn's Brake Cleaner (Professional Formula)

| | |
|---------------------|---|
| Philippines - PICCS | Yes |
| USA - TSCA | Yes |
| Legend: | <i>Y = All ingredients are on the inventory</i> |

SECTION 16 Other information**Other information**

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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