

**Automatic Transmission Flush**

Revision date: 29.07.2022

Product code: 1971

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Automatic Transmission Flush

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

Cleaning agent

**1.3. Details of the supplier of the safety data sheet**

Company name:	Bluechem Australia	
Street:	UNIT 4, 63 BRUNEL ROAD	
Place:	SEAFORD VICTORIA 3198 AUSTRALIA	
Telephone:	(03) 9311 4456	Telefax: (03) 9311 7712
e-mail:	admin@bluechemaustralia.com.au	
Contact person:	Neil Cochrane	
Internet:	www.bluechemaustralia.com.au	

**1.4. Emergency telephone number:**

Emergency 24 HOUR: Neil Cochrane (03) 9311 4456 or 0498 880 115

**Further Information**

Article Number: 33179

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

CLASSIFIED AS HAZARDOUS CHEMICAL ACCORDING TO SAFE WORK AUSTRALIA AND WHS CRITERIA.  
CLASSIFIED AS NON-DANGEROUS GOODS ACCORDING TO THE ADG CODE.  
POISON SCHEDULE: 5

**Classification according to WHS**

Hazard categories:  
Flammable liquid: Flam. Liq. 4  
Aspiration hazard: Asp. Tox. 1  
Specific target organ toxicity - repeated exposure: STOT RE 1  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Combustible liquid.  
May be fatal if swallowed and enters airways.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Labeling according to WHS****Component(s) to be indicated on the label**

Distillates (petroleum, gasoline), hydrotreated light 75 -< 80 %  
mixture of hydrocarbons (aromatic) C9-C10 15 -< 20 %  
amine salt of a dialkyl dithio phosphoric acid 5 -< 10 %

**Signal word:** Danger**Pictograms:**

health hazard



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#### Hazard statements

- H227 Combustible liquid.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.
- H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe vapour/aerosole.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P314 Get medical advice/attention if you feel unwell.
- P370+P378 In case of fire: Use water to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of this material and its container to hazardous or special waste collection point.

#### Special labelling of certain mixtures

- AUH066 Repeated exposure may cause skin dryness or cracking.

#### 2.3. Other hazards

- No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

- Detergents, Dispersants
- Anti Friction Components
- Synthetic agent combinations
- Solvent mixture
- Additives ashless

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### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to WHS criteria			
64742-82-1	Distillates (petroleum, gasoline), hydrotreated light			75 - < 80 %
	919-164-8		01-2119473977-17	
	Flam. Liq. 4, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3; H227 H372 H304 H412 AUH066			
64742-95-6	mixture of hydrocarbons (aromatic) C9-C10			15 - < 20 %
	918-668-5		01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 AUH066			
71888-91-0	amine salt of a dialkyl dithio phosphoric acid			5 - < 10 %
	276-159-7			
	Aquatic Chronic 2; H411			

Full text of H and AUH phrases: see section 16

### Further Information

According to note P to labelling (Australian Hazardous Substances Information System (HSIS)), "Solvent naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

#### After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .  
Subsequently wash off with: Water and soap.  
Seek medical attention if problems persist.

#### After contact with eyes

Remove contact lenses.  
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. After ingestion of absorption substances: Consult physician.

#### After ingestion

Let water be drunken in little sips (dilution effect). Consult physician.  
Do NOT induce vomiting.

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

No information available.

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

Warning about danger of aspiration.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing powder.  
Sand.  
Carbon dioxide (CO2).

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alcohol resistant foam.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

HAZCHEM: none allocated

**Additional information**

Cool endangered container in case of fire.

Beat down gas/vapours/mist with water spray.

Contaminated fire-fighting water must be collected separately.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear a self-contained breathing apparatus and chemical resistant suit.

Keep away from sources of ignition. - No smoking.

Do not breathe gas/fumes/vapour/spray.

**6.2. Environmental precautions**

Beat down gas/vapours/mist with water spray.

Do not empty into drains or the aquatic environment.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Prevent spread over a wide area (e.g. by containment or oil barriers).

**6.4. Reference to other sections**

Information for safe handling look up chapter 7.

Information for personal protective equipment look up chapter 8.

Information for disposal see section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

The substance should only be handled in closed apparatus or systems. Vapours / aerosols must be extracted by suction immediately at point of origin.

Avoid contact with skin and eyes.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking.

Take precautionary measures against static discharges.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

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

Do not store at temperatures over: 50 °C

Take precautionary measures against static discharges.

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

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### 8.1. Control parameters

#### Occupational Exposure Limits (OEL) - Australia

No data available

### 8.2. Exposure controls

#### Protective and hygiene measures

- Take off immediately all contaminated clothing
- Do not breathe gas/fumes/vapour/spray.
- Avoid contact with skin and eyes.
- Keep away from food, drink and animal feeding stuffs.
- When using do not eat, drink or smoke.
- Wash hands before breaks and after work.

#### Eye/face protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

#### Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

#### Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.

#### Respiratory protection

- Provide for good ventilation, when develop aerosols/mist.
- In case of fire: Wear self-contained breathing apparatus.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	yellow
Odour:	aromatic

#### Test method

#### Changes in the physical state

Initial boiling point and boiling range:	180 - 220 °C
Flash point:	63 °C
Lower explosion limits:	
Upper explosion limits:	
Ignition temperature:	> 200 °C
Vapour pressure:	20 hPa
(at 20 °C)	
Density (at 20 °C):	0.82 - 0.90 g/cm <sup>3</sup>
Water solubility:	insoluble
(at 20 °C)	

#### Solubility in other solvents

Organic solvents

### 9.2. Other information

No data

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

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### 10.2. Chemical stability

No decomposition when used as intended.

### 10.3. Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.  
No decomposition when used as intended.

### 10.5. Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
64742-82-1	Distillates (petroleum, gasoline), hydrotreated light			
	oral	LD50 >5000 mg/kg	Rat	
	dermal	LD50 >3400 mg/kg	Rabbit	
N/A	mixture of hydrocarbons (aromatic) C9-C10			
	oral	LD50 >3000 mg/kg	Rat	
	dermal	LD50 >3160 mg/kg	Rat	
71888-91-0	amine salt of a dialkyl dithio phosphoric acid			
	oral	LD50 >2000 mg/kg	Rat	

#### Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.  
Irritation of eyes: Irritant effect possible.

#### Sensitising effects

no danger of sensitization.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
64742-82-1	Distillates (petroleum, gasoline), hydrotreated light				
	Acute fish toxicity	LC50 10-100 mg/l	96 h	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50 50-100 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 10-22 mg/l	48 h	Daphnia magna	
N/A	mixture of hydrocarbons (aromatic) C9-C10				
	Acute fish toxicity	LC50 1 - 10 mg/l	96 h	Daphnia magna	
71888-91-0	amine salt of a dialkyl dithio phosphoric acid				
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Brachydanio rerio	



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#### **12.2. Persistence and degradability**

No information available.

#### **12.3. Bioaccumulative potential**

Low potential of bio-accumulation.

#### **12.4. Mobility in soil**

No information available.

#### **12.5. Results of PBT and vPvB assessment**

No information available.

#### **12.6. Other adverse effects**

No information available.

#### **Further information**

Do not empty into drains or the aquatic environment.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Arrange about the exact waste code with the local waste disposal expert.

Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

##### **Contaminated packaging**

Container must be completely emptied.

Do not pierce, cut up or weld unclean container. (Explosion hazard.)

### SECTION 14: Transport information

#### **Land transport (ADG)**

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

##### **Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

HAZCHEM: none allocated

#### **Marine transport (IMDG)**

##### **Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

#### **Air transport (ICAO-TI/IATA-DGR)**

##### **Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

#### **14.6. Special precautions for user**

No information available.

#### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: Distillates (petroleum, gasoline), hydrotreated light

**Additional information**

Contains:

15 - 30 % hydrocarbons, aromatic.

&gt; 30% hydrocarbons, aliphatic.

5 - 10 % phosphates

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**Additional information**

POISON SCHEDULE: 5

All components of this mixture are listed on or exempted from AICS.

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Abbreviations and acronyms**

ADG = Australian Code for the Transport of Dangerous Goods by Road &amp; Rail

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

HAZCHEM = HAZardous CHEMicals

WHS = Work Health and Safety

NOHSC = National Occupational Health and Safety Commission (Australia)

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Relevant H and AUH phrases (number and full text)**

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.





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- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- AUH066 Repeated exposure may cause skin dryness or cracking.

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*