



## Safety Data Sheet

bluechem  
GROUP

According to the Model WHS Regulations and the ADG code

### Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 1 of 10

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

##### 1.1. Product identifier

Diesel System Cleaner

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### Use of the substance/mixture

Cleaning agent for Diesel Systems

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

Company name:	Bluechem Australia	
Street:	Unit 2, 102-110 NORTH VIEW DRIVE	
Place:	3020 SUNSHINE, VICTORIA, 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: 33038

#### 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 DANGEROUS GOODS ACCORDING TO THE ADG CODE.  
POISON SCHEDULE: 5

###### Classification according to WHS

Hazard categories:  
Flammable liquid: Flam. Liq. 3  
Aspiration hazard: Asp. Tox. 1  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2A  
Reproductive toxicity: Repr. 2  
Specific target organ toxicity - repeated exposure: STOT RE 1  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Flammable liquid and vapour.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of damaging the unborn child.  
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 70 -< 75 %  
xylene 10 -< 15 %  
toluene 1 -< 5 %  
Benzenesulfonic acid, mono-C20-24- alkyl derivs., calcium salts 5 -< 10 %

Signal word: Danger

## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 2 of 10

### Pictograms:



flame - exclamation mark - health hazard

### Hazard statements

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H361 Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- 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/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P314 Get medical advice/attention if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337-P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing.
- 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.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures



# Safety Data Sheet

According to the Model WHS Regulations and the ADG code

## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 3 of 10

### Chemical characterization

Surface tension compounds  
Detergents, Dispersants  
Synthetic agent combinations  
corrosion preventing agent  
Lubricants  
Multifunction Diesel Fuel Additive

### 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			70 - < 75 %
	919-164-8		01-2119473977-17	
	STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3; H372 H304 H412 AUH066			
1330-20-7	xylene			10 - < 15 %
	215-535-7		01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2A, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H312 H332 H315 H319 H335 H373 H304			
70024-69-0	Benzenesulfonic acid, mono-C20-24- alkyl derivs., calcium salts			5 - < 10 %
	274-263-7		01-2119492616-28	
	Eye Irrit. 2A; H319			
108-88-3	toluene			1 - < 5 %
	203-625-9		01-2119471310-51	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H361 H315 H336 H373 H304 H412			

Full text of H and AUH phrases: see section 16

### Further Information

Nota H (EU)

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.

#### After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

#### After ingestion

Let water be drunken in little sips (dilution effect). Consult physician.

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

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



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 4 of 10

After ingestion: Harmful: may cause lung damage if swallowed.

#### **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 (CO<sub>2</sub>).  
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: .3Y

#### **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.

#### **6.2. Environmental precautions**

Beat down gas/vapours/mist with water spray.  
Do not allow to enter into surface water or drains.  
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.

## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 5 of 10

### 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.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

CAS No	Substance	ppm	mg/m <sup>3</sup>	Category
1330-20-7	Xylene (o-,m-,p)	80	350	TWA
1330-20-7	Xylene (o-,m-,p)	150	655	STEL
108-88-3	Toluene	50	191	TWA
108-88-3	Toluene	150	-	STEL

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

### 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

- In case of accumulation of fumes/aerosols, provide adequate ventilation.
- In case of fire: Wear self-contained breathing apparatus.



# Safety Data Sheet

According to the Model WHS Regulations and the ADG code

## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 6 of 10

### SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	brown
Odour:	aromatic

#### Test method

##### Changes in the physical state

Initial boiling point and boiling range:	200 - 210 °C
Flash point:	45 °C
Lower explosion limits:	> 0,6 vol. %
Upper explosion limits:	> 7,0 vol. %
Ignition temperature:	> 200 °C
Vapour pressure: (at 20 °C)	> 8 hPa
Density (at 20 °C):	0.83 - 0.86 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	insoluble

##### Solubility in other solvents

Organic solvents

#### 9.2. Other information

No data

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 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

## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 7 of 10

### 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	
1330-20-7	xylene			
	oral	LD50 4300 mg/kg	Rat	
	dermal	LD50 3200 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 21,7 mg/l	Rat	
	inhalative aerosol	ATE 1,5 mg/l		
70024-69-0	Benzenesulfonic acid, mono-C20-24- alkyl derivs., calcium salts			
	oral	LD50 >5000 mg/kg	Rat	
	dermal	LD50 >2000 mg/kg	Rabbit	
108-88-3	toluene			
	dermal	LD50 12200 mg/kg	Rabbit	GESTIS
	inhalative (4 h) vapour	LC50 49 mg/l	Rat	GESTIS

### 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		
1330-20-7	xylene					
	Acute fish toxicity	LC50 26,7 mg/l	96 h	Pimephales promelas		
70024-69-0	Benzenesulfonic acid, mono-C20-24- alkyl derivs., calcium salts					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Fish		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Algae		
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna		
108-88-3	toluene					
	Acute fish toxicity	LC50 13 mg/l	96 h	Carassius auratus		IUCLID
	Acute algae toxicity	ErC50 12,5 mg/l	72 h			GESTIS

### 12.2. Persistence and degradability

No information available.

## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 8 of 10

### 12.3. Bioaccumulative potential

Swims on the water.  
Low potential of bio-accumulation.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-88-3	toluene	2,73

### 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 allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

Do not dispose with household waste.  
Do not allow to enter into surface water or drains.  
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)

<b><u>14.1. UN number:</u></b>	UN 1993
<b><u>14.2. UN proper shipping name:</u></b>	FLAMMABLE LIQUID, N.O.S.
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	3



Special Provisions: 274 601 640E  
Limited quantity: 5 L

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

HAZCHEM: .3Y

### Marine transport (IMDG)

<b><u>14.1. UN number:</u></b>	UN 1993
<b><u>14.2. UN proper shipping name:</u></b>	FLAMMABLE LIQUID, N.O.S.
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	III



## Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 9 of 10

Hazard label: 3



Marine pollutant: -  
Special Provisions: 223, 274, 955  
Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-E, S-E

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

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 10 L  
Passenger LQ: Y344  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 355  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

### 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.

## 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  
Entry 48: toluene

#### Additional information

Contains: (Regulation (EC) No. 648/2004 (Detergents regulation))  
> 30 % hydrocarbons, aliphatic.  
5 - 15 % hydrocarbons, aromatic.

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

#### Additional information

Regarding the EU-directive 2008/105/EU contains the product none of the listed substances.  
POISON SCHEDULE: 5



## Safety Data Sheet

bluechem  
GROUP

According to the Model WHS Regulations and the ADG code

### Diesel System Cleaner

Revision date: 13.06.2017

Product code: 1967

Page 10 of 10

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 & 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)**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

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