

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : (Aerosol) Fuel Injection System Cleaner  
Product code : 003498000034

#### 1.2. Other means of identification

Synonyms : AFIS001D

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Car maintenance product  
Restrictions on use : For professional use only

#### 1.4. Details of manufacturer or importer

Autosmart Australia  
11 Darrambal Close  
Rathmines NSW 2283 NSW  
Australia  
T 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)  
[autosmart@autosmartaustralia.com.au](mailto:autosmart@autosmartaustralia.com.au) - [www.autosmartaustralia.com.au](http://www.autosmartaustralia.com.au)

#### 1.5. Emergency phone number

Emergency number : NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident),  
Call NCEC at 18000 74234 (toll free 24Hrs) - when calling please quote "AUTOSMART 29003-NCEC"  
Local number +61 2 8 014 4558  
General Information. Transport Information. Mild medical Information:-  
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

### SECTION 2: Hazard identification

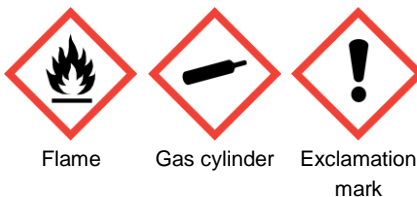
#### 2.1. Classification of the hazardous chemical

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

Aerosol, Category 1	H222;H229
Gases under pressure : Compressed gas	H280
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Danger  
Contains : Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (31.84898325 %);  
Acetone (32.5 %)  
Hazard statements (GHS AU) : H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
H280 - Contains gas under pressure; may explode if heated  
H315 - Causes skin irritation

# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### Precautionary statements (GHS AU)

- H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing vapours, spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P332+P313 - If skin irritation occurs: Get medical advice, medical attention.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 - Call a POISON CENTER, a doctor if you feel unwell.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice, medical attention.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.  
P501 - Dispose of contents/ container in accordance with local regulations.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Acetone	67-64-1	32.5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	-	31.84898325	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene)	68476-85-7	30	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Liq. 1, H224
Other substances (not contributing to the classification of this product)	-	5.65	-

## SECTION 4: First aid measures

### 4.1. Description of necessary 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. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Symptoms caused by exposure

- Symptoms/effects : May cause drowsiness or dizziness.  
Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurised container: May burst if heated.
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 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".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	: Mechanically recover the product.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
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# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

- Precautions for safe handling : 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 dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. 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

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- 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.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

Acetone (67-64-1)	
Australia - Occupational Exposure Limits	
Local name	Acetone
OES TWA	1185 mg/m <sup>3</sup>
	500 ppm
OES STEL	2375 mg/m <sup>3</sup>
	1000 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)
Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
Australia - Occupational Exposure Limits	
Local name	LPG (liquified petroleum gas)
OES TWA	1800 mg/m <sup>3</sup>
	1000 ppm
Remark (AU)	Carcinogenicity Category 1B - Presumed to have a carcinogenic potential for humans. The classification of a substance into this category is based largely on animal evidence where there is sufficient evidence to demonstrate carcinogenicity in animals or where there is limited evidence of carcinogenicity in humans and animals.
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)

### 8.2. Monitoring methods

No additional information available

### 8.3. Engineering controls

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

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

- Personal protective equipment : Wear recommended personal protective equipment.
- Materials for protective clothing : The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Industrial Clothing: AS2919.
- Hand protection : Protective gloves. The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Protective Gloves: AS 2161.
- Eye protection : Safety glasses. The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Industrial Eye Protection: AS1336 and AS/NZS 1337.

# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Skin and body protection : Wear suitable protective clothing  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715.

### 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 : Colourless  
Odour : Odourless.  
Odour threshold : No data available  
pH : No data available  
pH solution : 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 : < -40 °C  
Auto-ignition temperature : No data available  
Flammability : No data available  
Vapour pressure : No data available  
Relative density : No data available  
Density : No data available  
Solubility : No data available  
Partition coefficient n-octanol/water (Log Pow) : No data available  
Viscosity, kinematic : < 20.5 mm<sup>2</sup>/s  
Explosive properties : Pressurised container: May burst if heated.  
Explosive limits : No data available  
Minimum ignition energy : No data available  
VOC content : 663 g/l  
Fat solubility : No data available

## SECTION 10: Stability and reactivity

Reactivity : Extremely flammable aerosol. Pressurised container: May burst if heated.  
Chemical stability : No additional information available  
Possibility of hazardous reactions : No additional information available  
Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.  
Incompatible materials : No additional information available  
Hazardous decomposition products : No additional information available

## SECTION 11: Toxicological information

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

### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat, Remarks on results: other:
LC50 Inhalation - Rat	> 25.2 mg/l air Animal: rat

# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4

Skin corrosion/irritation	: Causes skin irritation.
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.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
STOT-single exposure	May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	: Not classified
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Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
LOAEC (inhalation, rat, gas, 90 days)	12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

Aspiration hazard	: Not classified.
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(Aerosol) Fuel Injection System Cleaner	
Vaporizer	Aerosol
Not able to form a pool	Yes
Viscosity, kinematic	< 20.5 mm <sup>2</sup> /s

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
Viscosity, kinematic	0.7 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

## 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.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Acetone (67-64-1)	
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
LC50 - Fish [1]	0.362 mg/l

# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
EC50 - Crustacea [1]	0.018 mg/l
ErC50 algae	7.6 mg/l Source: ECOTOX
Partition coefficient n-octanol/water (Log Pow)	≤ 2.8 Source: IUCLID

### 12.2. Persistence and degradability

(Aerosol) Fuel Injection System Cleaner	
Persistence and degradability	Not rapidly degradable
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
Persistence and degradability	Not rapidly degradable
Acetone (67-64-1)	
Persistence and degradability	Not rapidly degradable
Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
Persistence and degradability	Not rapidly degradable

### 12.3. Bioaccumulative potential

Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
Partition coefficient n-octanol/water (Log Pow)	≤ 2.8 Source: IUCLID

### 12.4. Mobility in soil

Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
Partition coefficient n-octanol/water (Log Pow)	≤ 2.8 Source: IUCLID

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

(Aerosol) Fuel Injection System Cleaner	
Fluorinated greenhouse gases	False
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
Fluorinated greenhouse gases	False
Acetone (67-64-1)	
Fluorinated greenhouse gases	False
Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)	
Fluorinated greenhouse gases	False

## SECTION 13: Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.




# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
<b>14.1. UN number</b>		
1950	1950	1950
<b>14.2. UN Proper Shipping Name</b>		
AEROSOLS	AEROSOLS	Aerosols, flammable
<b>Transport document description</b>		
Not applicable	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1
<b>14.3. Transport hazard class(es)</b>		
2.1	2.1	2.1
		
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: 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

#### Transport by road and rail

UN-No. (ADG) : 1950  
Special provision (ADG) : 63, 190, 277, 327, 344, 381  
Limited quantities (ADG) : 1I  
Excepted quantities (ADG) : E0  
Packing instructions (ADG) : P207, LP200  
Special packing provisions (ADG) : PP87, L2

#### Transport by sea

UN-No. (IMDG) : 1950  
Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
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  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

#### Air transport

UN-No. (IATA) : 1950  
PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203



# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

Classification	
Aerosol 1	H222;H229
Press. Gas (Comp.)	H280
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336

Full text of H-statements	
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H224	Extremely flammable liquid and vapour
H225	Highly flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation

# (Aerosol) Fuel Injection System Cleaner

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Full text of H-statements	
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), Australia

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.