

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations Issue date: 30/04/2024 Version: 1.0

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture

Trade name : (Aerosol) Silver Alloy Product code : 003498000049

1.2. Other means of identification

Synonyms : ASAL001D

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Spraying paint (spray can)
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 - 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)







Flame

Gas cylinder

Exclamation mark

Signal word (GHS AU) : Danger

Contains : Xylene (mixture of isomers) (9.9875 %); Acetone (40.6625 %)

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

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H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

Precautionary statements (GHS AU) : 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.

Additional hazard statements (GHS AU) : AUH066 - Repeated exposure may cause skin dryness or cracking.

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	40.6625	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene)	68476-85-7	35	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Liq. 1, H224
Aluminium powder (stabilised)	7429-90-5	3.933776	Flam. Sol. 1, H228 Water-react. 2, H261
Ethylbenzene	100-41-4	1.7625	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT RE 2, H373 Asp. Tox. 1, H304
Other substances (not contributing to the classification of this product)	-	18.64	-

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

First-aid measures after ingestion

: 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.

: Call a poison center or a doctor if you feel unwell.

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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.

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.

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.

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.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed Precautions for safe handling

: Not expected to present a significant hazard under anticipated conditions of normal use.

: 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

Packaging materials

: 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. Store in a well-ventilated place. Do not expose to temperatures

exceeding 50 °C/ 122 °F. Store locked up. Keep container tightly closed. : Store always product in container of same material as original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Australia - Occupational Exposure Limits		
thyl benzene		
34 mg/m³		
00 ppm		
43 mg/m³		
25 ppm		
Vorkplace exposure standards for airborne contaminants (2022)		
Numinium		
0 mg/m³ metal dust i mg/m³ welding fumes (as Al) l mg/m³ alkyls (NOC) (as Al) i mg/m³ pyro powders (as Al) l mg/m³ soluble salts (as Al)		
Vorkplace exposure standards for airborne contaminants (2022)		
Acetone (67-64-1)		
acetone		
185 mg/m³		
00 ppm		
375 mg/m³		
000 ppm		
Vorkplace exposure standards for airborne contaminants (2022)		
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Petroleum gases, liquefied (Contains < 0.1% 1,3-butadiene) (68476-85-7)			
Australia - Occupational Exposure L	Australia - Occupational Exposure Limits		
Local name	LPG (liquified petroleum gas)		
OES TWA	1800 mg/m³		
	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.

45/NZS 1337.

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 : Silver
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 : $< -40 \, ^{\circ}\text{C}$

Auto-ignition temperature: No data availableFlammability: No data availableVapour pressure: No data availableRelative density: No data availableDensity: No data available

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Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : < 20.5 mm²/s

Explosive properties : Pressurised container: May burst if heated.

Explosive limits : No data available Minimum ignition energy : No data available

VOC content : 627 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

Aluminium	powder ((stabilised)	(7429-90-5)
Aluminum	pomaci	(Stabilisea)	(1723 30 3)

	LD50 oral rat	> 15900 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
	LC50 Inhalation - Rat	> 0.888 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:

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 classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedReproductive toxicity: Not classified

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

Ethylbenzene (100-41-4)

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aluminium powder (stabilised) (7429-90-5)

LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.05 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (subchronic, oral, animal/male, 90 days)	1034 mg/kg bodyweight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	1087 mg/kg bodyweight Animal: dog. Animal sex: female, Guideline: OECD Guideline 409

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(Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)

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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.		
(Aerosol) Silver Alloy		
Vaporizer	Aerosol	
Not able to form a pool	Yes	
Viscosity, kinematic	< 20.5 mm²/s	
Ethylbenzene (100-41-4)		
Viscosity, kinematic	0.6 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' Remarks on result: 'other:'	

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

: Not classified

Hazardous to the aquatic environment, long-term

: Not classified (chronic)

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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	
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) Silver Alloy	
Persistence and degradability	Not rapidly degradable
Ethylbenzene (100-41-4)	
Persistence and degradability	Not rapidly degradable
Aluminium powder (stabilised) (7429-90-5)	
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

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12.3. Bioaccumulative potential

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) Silver Alloy

Fluorinated greenhouse gases False

Ethylbenzene (100-41-4)

Fluorinated greenhouse gases False

Aluminium powder (stabilised) (7429-90-5)

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.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA		
14.1. UN number				
1950	1950	1950		
14.2. UN Proper Shipping Name				
AEROSOLS	AEROSOLS	Aerosols, flammable		
Transport document description				
Not applicable	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1		
14.3. Transport hazard class(es)				
2.1	2.1	2.1		

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ADG	IMDG	IATA		
	2	2		
14.4. Packing group				
Not applicable	Not applicable	Not applicable		
14.5. Environmental hazards				
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

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) : P207, LP200 : 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): NoneStowage and handling (IMDG): SW1, SW22Segregation (IMDG): SG69

Air transport

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

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

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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		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Aerosol 1	Aerosol, Category 1	
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	
Flam. Sol. 1	Flammable solids, Category 1	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2	
H220	Extremely flammable gas	
H224	Extremely flammable liquid and vapour	
H225	Highly flammable liquid and vapour	
H228	Flammable solid	
H261	In contact with water releases flammable gases	
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	
H332	Harmful if inhaled	

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Full text of H-statements		
H336	May cause drowsiness or dizziness	
H373	May cause damage to organs through prolonged or repeated exposure	

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.