SGALVE- GALVANISING SPRAY STANDARD

Description:
Corroision prevention, excellent heat resistance, fast drying.

Temperature Range:
150 continuous to 400 °C intermittent

SGALVE

SECTION 1- INDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name Silver Galve

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

1.3 Details of the supplier of the safety data sheet
Supplier

Aztec Aerosols
Gateway
Crewe
Chesire
CW1 6FA

T+44 (0) 1270 656380
F+44 (0) 1270 656381
info@aztecaerosols.com

1.4 Emergency telephone number
Emergency telephone +44 (0)7831 300868

SECTION 2- HAZARDS INDENTIFICATION

2.1.Classification of the substance or mixture
Classification

Physical hazards
Aerosol 1- H222, H229

Health hazards
Skin Irrit. 2- H315 Eye Irrit. 2 - H319 STOT SE 3- H335, H336 STOT RE 2- H373

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)
Xn;R20/21. Xi;R36/38. F+;R12.

Human health
Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Environmental
The product is not expected to be hazardous to the environment.

Physicochemical
Aerosol containers can explode when heated, due to excessive pressure build up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Pictogram

Signal world

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statements

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.
P260 Do not breathe vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P305+P351+P338 IF IN EYES: Rinse cautionsly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P102 Keep out for reach of children.
P501 Dispose of contents/container in accordance with local regulations.
P262 Do not get in eyes, on skin, or on clothing.

Supplemental label information
EUH066 Repeated exposure may cause skin dryness or cracking.
RCH002b For professional users only.

Contains
XYLENE, ACETONE.

2.3. Other hazards

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

ACETONE 10-30%
CAS number: 67-64- 1
EC number: 200-662-2
REACH registration number: 01-2119471330-49

Classification
Flam. Liq. 2- H225
Eye Irrit. 2- H319
STOT SE 3- H336

Classification (67/548/EEC or 1999/45/EC)
F;R11 Xi;R36 R66 R67

XYLENE 10-30%
CAS number: 1330-20-7
EC number: 215-535-7
REACH registration number: 01-2119488216-32

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq.3- H226 Acute Tox. 4- H312 Acute Tox 4- H332 Skin Irrit. 2- H315 Eye Irrit.2- H319 STOT SE 3- H335 STOT RE 2- H373 Asp. Tox. 1- H304	R10 Xn;R20/21 Xi;R38

BUTANE 10-30%
CAS number: 106-97-8
EC number: 203-448-7
REACH registration number: Exempt under REACH

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Gas 1-H220 Press. Gas	F+;R12

ISOBUTANE 5-10%
CAS number: 75-28-5
EC number: 200-857-2
REACH registration number: Exempt under REACH

Classification:	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Gas 1- H220 Press. Gas	F+;R12

PROPANE 5-10%
CAS NUMBER: 74-98-6
EC number: 200-827-9
REACH registration number: Exempt under REACH

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Gas 1- H220 Press. Gas	F+;R12

ETHYBLENZENE 1-5%
CAS number: 100-41-4
EC number: 202-849-4
REACH registration number: 01-2119489370-35

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq 2- H225	F;R11 Xn;R20

BUTYL ACETATE- norm <1%
CAS number: 123-86-4
EC number: 204-658-1
REACH registration number: 01-2119485493-29

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 3- H226	R10 R66 R67
STOT SE 3- H336	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16/

SECTION 4- FIRST AID MEASURES

4.1. Description of first aid measures

General information
Move affected person to fresh air at once.

Inhalation:
If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artifical respiration. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion:
Rinse mouth thoroughly with water. Do not induce vomiting. Get medicial attention.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact:
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed.
4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5- FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinhuishing media
Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture
Specific hazards
Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build up. Extremely flammable. Forms explosive mixtures with air.

5.3. Advice for firefighters

Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Warn firefighters that aerosols are involved. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6- ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

6.2. Environmental precautions

Environmental precautions

Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections

SECTION 7- HANDLING AND STORAGE

7.1 Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Do not spray on a naked flame or any incandescent material. Eliminate all sources of igniton.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3. Specific end use(s)

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

ACETONE
Long-term exposure limit (8-hour TWA): WEL 500ppm 1210 mg/m3
Short-term exposure limit (15-minute): WEL 1500ppm 3620 mg/m3

XYLENE
Long- term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 200mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 100ppn (Sk) 441mg/m3(Sk)

BUTLANE
Long-term exposure limit (8-hour TWA): WEL 600 ppm
Short-term exposure limit (15-minute): WEL 750ppm

ISOBUTANE
Long-term exposure limit (8-hour TWA): WEL 800 ppm
Short-term exposure limit (15- minute): WEL No std.

PROPANE
Long-term exposure limit (8-hour TWA): SUP ppm
Short-term exposure limit (15- minute): SUP ppm

ETHYLBENZENE
Long-term exposure limit (8- hour TWA): WEL 100ppm(Sk) 441 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 125ppm (Sk) 552mg/m3(Sk)

ALIPHATIC HYDROCARBON (D40)
Long-term exposure limit (8-hour TWA):SUP 1040/mg/m3

BUTYL ACETATE- norm
Long-term exposure limit (8-hour TWA): WEL 150 ppm 724mg/m3
Short-term exposure limit (15 minute): WEL 200 ppm 966mg/m3

Ingredient comments
WEL= Workplace Exposure Limits

8.2 Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Personal protection
Do not eat, drink or smoke when using this product.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Eyewear complying with an approved standard should be worn if a risk assessment indicates eue contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection
Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Hygiene measures
Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be warn.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance
Aerosol

Odour
Organic solvents. Xylene.

Flash point
<-40°C

Upper/lower flammability or explosive limits
: 1.8

Auto-ignition temperature
410-580°C

Comments
Information given is applicable to the major ingredient.

9.2 Other information

SECTION 10- STABILITY AND REACTIVITY

10.1. Reactivity
10.2. Chemical stability

Stability
Avoid the following conditions: Heat, sparks, flames.

10.3. Possibility of hazardous reactions
10.4 Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogren.

SECTION 11- TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity- dermal
ATE dermal (mg/kg)
5222.42795423

Acute toxicity- inhalation
ATE inhalation (gases ppm)
23738.30888288

General information
Delibrately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Inhalation
Harmful by inhalation. In high concentrations, vapours and aerosol mists have a narcotic efect and may cause headahce, fatigue, dizziness and nasusea. Unconsciousness, possibly death.

Skin contact
Harmful in contact with skin.

Eye contact
Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.

Acute and chronic health hazards
Arrhythmia (deviation from normal heart beat). Irritating to eyes. Irritating to skin. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Route of entry
Inhalation Skin and/or eye contact

Target organs
Central nervous system. Respiratory system, lungs.

Medical symptoms
Arrhythmia (deviation from the normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness. Skin irritation. Irriation of eyes and mucous membranes.

SECTION 12- ECOLOGICAL INFORMATION

Ecotoxicity
The product components are not classified as environmentally hazardous. However, large ot frequent spills may have hazardous effects on the environment.

12.1. Toxicity
12.2. Persistence and degradability
12.3. Bioaccumulative potential
12.4. Mobility to soil
12.5. Results of PBT and vPvB assessment
12.6. Other adverse effects.

SECTION 13- DISPOSAL CONSIDERERATIONS

13.1. Waste treatment methods
General information
Do not puncture or incinerate, even when empty.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be throughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14- TRANSPORT INFORMATION

General
This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not packed and labelled must show the following.

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS

Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID subsidiary risk	
ADR/RID label	2.1
IMDG class	2.1
IMDG subsidiary risk	
ICAO class/division	2.1
ICAO subsidiary risk	
Transport labels	

14.4 Packing group

Not applicable
ADR/RID packing group
IMDG packing group
ICAO packing group

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

Yes

14.6. Special precautions for user

EmS	F -D, S-U
Emergency Action Code	
Hazard identification Number (ADR/RID)	
Tunnel restriction code	(D)

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15- REGULATORY INFORMATION

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

National regulations
The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation
Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.

Guidance
Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practise 7th. Edition 1999

15.2. Chemical safety assessment

SECTION 16- OTHER INFORMATION

Revision date	11/07/2014
Revision	1
SDS number	11777
SDS status	Approved.
Risk phrases in full	

R10 Flammable.
R11 Highly flammable
R12 Extremely flammable
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
R38 Irritating to skin.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour
H226 Flammable liquid and vapour
H229 Pressurised container: may burst if heated
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irriation.
H319 Causes serious eye irritation.
H222 Extremely flammable aerosol.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H225 Highly flammable liquid and vapour
H373 May cause damage to organs through prolonged or repeated exposure.
H229 Pressurised container: may burst if heated
H304 Maybe 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.
H373 May cause damage to organs through prolonged or repeated exposure.
May cause damage to organs through prolonged or repeated exposure if inhaled.

Disclaimer
This information relates only to the specific material designated and may not be valid for such material uses 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.