

Safety Data Sheet

in accordance with HSNO

Printing date 23.03.2023

Revised On: 23.03.2023

1 Identification of the substance or mixture and of the supplier

Trade name:	SHINY GALV
Article number:	0000160841
Product category	PC9a Paints and coatings.
Process category	PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
Application of the substance / the mixture	Painting and coating.
Uses advised against	Any that differs from the recommended use.
Manufacturer/Supplier:	Import Distribution t/a Formula 60B Cryers Road East Tamaki, Auckland 2013 New Zealand telephone: 09 273 3600 website: www.formula.co.nz email: sales@formula.co.nz
Emergency telephone number:	NZ Poison Centre telephone: 0800 764 766

2 Hazards identification

Classification of the substance or mixture

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Repr. 1	H360	May damage fertility or the unborn child.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

Additional information:

Hazard pictograms



GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

Hazard statements

Toluene

Extremely flammable aerosol. Pressurized container: may burst if heated.
Causes skin irritation.
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Obtain special instructions before 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.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection / face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/Information on ingredients

Chemical characterisation: Mixtures

Description:

Classification according to HSNO Act 1996---2.1.2A Flammable Aerosols
Mixture of substances listed below with nonhazardous additions.

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Dangerous components:

CAS: 616-38-6 EINECS: 210-478-4	dimethyl carbonate Flam. Liq. 2, H225	15-25%
CAS: 67-64-1 EINECS: 200-662-2	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 Specific concentration limit: STOT SE 3; H336: C ≥ 10 %	15-25%
CAS: 74-98-6 EINECS: 200-827-9	propane Flam. Gas 1A, H220	15-25%
CAS: 106-97-8	n-butane Flam. Gas 1A, H220	5-10%
CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix) Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≥5-<10%
CAS: 7429-90-5 EINECS: 231-072-3	Aluminum flake	5-10%
CAS: 108-88-3 EINECS: 203-625-9	Toluene Flam. Liq. 2, H225; Repr. 1, H360; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H336	1-5%
CAS: 100-41-4 EINECS: 202-849-4	ethyl benzene Flam. Liq. 2, H225; Asp. Tox. 1, H304; Acute Tox. 4, H332	1-5%
CAS: 64742-47-8 EINECS: 265-149-8	Mineral Spirits Flam. Liq. 3, H226	1-5%
CAS: 7440-66-6 EINECS: 231-175-3	zinc powder Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%

4 First aid measures

After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin.
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:	Do not induce vomiting; call for medical help immediately.
Information for doctor:	
Most important symptoms and effects, both acute and delayed	Dizziness
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5 Fire fighting measures

Extinguishing agents:	CO ₂ , powder or water spray. Fight larger fires with water spray.
Unsuitable extinguishing agents:	Water
Special hazards arising from the substance or mixture	Can form explosive gas-air mixtures.
Protective equipment:	Mount respiratory protective device.
Additional information	Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Use respiratory protective device against the effects of fumes/dust/aerosol.
Environmental precautions:	Do not allow product to reach sewage system or any water course.
Methods and material for containment and cleaning up:	Dispose contaminated material as waste according to item 13.

7 Handling and storage

Precautions for safe handling	Use only in well ventilated areas.
Fire/explosion protection:	Keep respiratory protective device available. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material.
Conditions for safe storage, including any incompatibilities	
Requirements to be met by storerooms and receptacles:	Suitable material for receptacles and pipes: steel or stainless steel.
Information about storage in one common storage facility:	Not available.
Specific end use(s)	No further relevant information available.

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8 Exposure controls/personal protection

Ingredients with limit values that require monitoring at the workplace:

67-64-1 Acetone

WES Short-term value: 2375 mg/m³, 1000 ppm
Long-term value: 1185 mg/m³, 500 ppm
bio

74-98-6 propane

WES Simple asphyxiant; may present an explosion hazard

106-97-8 n-butane

WES Long-term value: 1900 mg/m³, 800 ppm

1330-20-7 xylene (mix)

WES Long-term value: 217 mg/m³, 50 ppm
oto

7429-90-5 Aluminum flake

WES Long-term value: 10* 5** 2*** mg/m³
*metal dust;**welding fume,soluble salts;***alkyls

108-88-3 Toluene

WES Short-term value: 377 mg/m³, 100 ppm
Long-term value: 75 mg/m³, 20 ppm
skin, oto, bio

100-41-4 ethyl benzene

WES Short-term value: 176 mg/m³, 40 ppm
Long-term value: 88 mg/m³, 20 ppm
skin, oto

Exposure controls

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Neoprene gloves

Eye protection:

The glove material has to be impermeable and resistant to the product.
Tightly sealed goggles

9 Physical and chemical properties

Appearance:	Aerosol.
Form:	Not determined.
Odour:	Aromatic
Odour threshold:	Not determined.
pH-value:	Not determined.
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	-44.5 °C (-48.1 °F)
Flash point:	-19 °C (-2.2 °F)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	In use, may form flammable/explosive vapour-air mixture.
Lower:	1.7 Vol %
Upper:	10.9 Vol %
Vapour pressure:	Not determined.
Density at 20 °C (68 °F):	0.8 g/cm ³ (6.7 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	Not determined.
Dynamic:	Not determined.
Kinematic:	Not determined.
Other information	No further relevant information available.

10 Stability and reactivity

Thermal decomposition / conditions

to be avoided: Stable at environment temperature.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

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Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological information

Acute toxicity--- Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

616-38-6 dimethyl carbonate

Oral	LD50	13,000 mg/kg (rat)
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1330-20-7 xylene (mix)

Oral	LD50	8,700 mg/kg (rat)
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Dermal	LD50	2,000 mg/kg (rbt)
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Inhalative	LC50/4 h	6,350 mg/l (rat)
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100-41-4 ethyl benzene

Oral	LD50	3,500 mg/kg (rat)
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Dermal	LD50	17,800 mg/kg (rbt)
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Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity May damage fertility or the unborn child.

STOT-single exposure May cause drowsiness or dizziness.

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

Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological information

Aquatic toxicity: No further relevant information available.

Persistence and degradability The product is biodegradable after prolonged adaptation.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number UN1950

NZS, IMDG, IATA UN1950

UN proper shipping name

NZS 1950 AEROSOLS

IMDG AEROSOLS

IATA AEROSOLS, flammable

Transport hazard class(es)

Class 2 5F Gases.

Label 2.1

IMDG, IATA

Class 2.1 Gases.

Label 2.1

Packing group

NZS, IMDG, IATA Void

Environmental hazards: Not applicable.

Special precautions for user Warning: Gases.

Hazard identification number (Kemler code): -

EMS Number: F-D,S-U

Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A.

For AEROSOLS with a capacity above 1 litre: Category B. For WASTE

AEROSOLS: Category C, Clear of living quarters.

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

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Segregation Code

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Transport in bulk according to Annex II of Marpol and the IBC Code

For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

Not applicable.

Transport/Additional information:

NZS

Limited quantities (LQ)
Excepted quantities (EQ)

1L
Code: E0
Not permitted as Excepted Quantity

Transport category
Tunnel restriction code

2
D

IMDG

Limited quantities (LQ)
Excepted quantities (EQ)

1L
Code: E0
Not permitted as Excepted Quantity
UN 1950 AEROSOLS, 2.1

UN "Model Regulation":

15 Regulatory information

New Zealand Inventory of Chemicals

616-38-6	dimethyl carbonate
67-64-1	Acetone
74-98-6	propane
1330-20-7	xylene (mix)
7429-90-5	Aluminum flake
108-88-3	Toluene
100-41-4	ethyl benzene
64742-47-8	Mineral Spirits
7440-66-6	zinc powder
64742-95-6	Solvent naphtha, light aromatic
22464-99-9	solid zirco drier
1314-13-2	zinc oxide
136-52-7	cobalt bis(2-ethylhexanoate)
136-51-6	calcium bis(2-ethylhexanoate)

HSNO Approval numbers

616-38-6	dimethyl carbonate	HSR001252
67-64-1	Acetone	HSR001070
74-98-6	propane	HSR001010
1330-20-7	xylene (mix)	HSR000983
108-88-3	Toluene	HSR001227
100-41-4	ethyl benzene	HSR001151

Hazard-determining components of labelling:

Toluene

**Directive 2012/18/EU
Named dangerous substances -
ANNEX I**

None of the ingredients is listed.
P3a FLAMMABLE AEROSOLS

Seveso category

**Qualifying quantity (tonnes) for the
application of lower-tier
requirements**

150 t

**Qualifying quantity (tonnes) for the
application of upper-tier
requirements**

500 t

Waterhazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

108-88-3	Toluene
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16 Other information

Relevant phrases

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

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H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS:

Technical Services