

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 26.08.2019

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: ELMOTHERM® VA39 SPRAY

Recommended Use of the Chemical and Restriction on Use: Spray insulating varnish

Details of Manufacturer or Importer:

Associated Gaskets Pty Ltd
68 Marigold Street
Revesby NSW 2212

Phone Number: 02 9774 3333

Emergency telephone number: 02 9774 3333

2 . HAZARDS IDENTIFICATION

Hazardous Nature:



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Label Elements

Signal Word Danger

Hazard Statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H312+H332 Harmful in contact with skin or if inhaled.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P271 Use only outdoors or in a well-ventilated area.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

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Hazardous Components:		
115-10-6	dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas, H280	≥30 - <50%
67-64-1	Acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥15 - <20%
1330-20-7	Benzene, dimethyl- ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≥12.5 - <20%
78-93-3	2-Butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥3 - <5%
78-83-1	butanol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336	≥1 - <3%
108-94-1	Cyclohexanone ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332	≥1 - <3%
100-41-4	Benzene, ethyl- ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 4, H332	≥1 - <3%

Additional information:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Use water spray to cool fire exposed containers. Heat may build pressure, rupturing closed containers and spreading fire.

Hazardous combustion products include oxides of carbon and nitrogen and dense black smoke.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

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6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses. Do not allow run-off from fire fighting to enter drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Do not spray on a naked flame or any incandescent material. Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep away from heat, sparks, open flames and other sources of ignition. Pressurized container. Protect from direct sunlight. Do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Store away from strong acids, strong bases and strong oxidizing and reducing agents.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia):

115-10-6 dimethyl ether

NES	Short-term value: 950 mg/m ³ , 500 ppm
	Long-term value: 760 mg/m ³ , 400 ppm

67-64-1 Acetone

NES	Short-term value: 2375 mg/m ³ , 1000 ppm
	Long-term value: 1185 mg/m ³ , 500 ppm

1330-20-7 Benzene, dimethyl-

NES	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 350 mg/m ³ , 80 ppm

78-93-3 2-Butanone

NES	Short-term value: 890 mg/m ³ , 300 ppm
	Long-term value: 445 mg/m ³ , 150 ppm

78-83-1 butanol

NES	Long-term value: 152 mg/m ³ , 50 ppm
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108-94-1 Cyclohexanone

NES	Long-term value: 100 mg/m ³ , 25 ppm
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100-41-4 Benzene, ethyl-	
NES	Short-term value: 543 mg/m ³ , 125 ppm Long-term value: 434 mg/m ³ , 100 ppm

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Personal Protective Equipment (PPE):**Respiratory Protection:**

In case of intensive or longer exposure use self-contained respiratory protective device. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Solvent resistant gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Aerosol
Colour:	Grey
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	<35 °C
Flash Point:	-1 °C
Flammability:	Extremely flammable aerosol
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: Strong acids, strong bases and strong oxidizing and reducing agents.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

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11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
115-10-6 dimethyl ether		
Inhalation	LC ₅₀ /4 h	308 mg/l (rat)
67-64-1 Acetone		
Oral	LD ₅₀	5800 mg/kg (rat)
Dermal	LD ₅₀	20000 mg/kg (rabbit)
1330-20-7 Benzene, dimethyl-		
Oral	LD ₅₀	4300 mg/kg (rat)
Dermal	LD ₅₀	2000 mg/kg (rabbit)
78-93-3 2-Butanone		
Oral	LD ₅₀	3300 mg/kg (rat)
Dermal	LD ₅₀	5000 mg/kg (rabbit)
78-83-1 butanol		
Oral	LD ₅₀	2460 mg/kg (rat)
Dermal	LD ₅₀	3400 mg/kg (rabbit)
108-94-1 Cyclohexanone		
Oral	LD ₅₀	1535 mg/kg (rat)
Dermal	LD ₅₀	948 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	8000 mg/l (rat)
100-41-4 Benzene, ethyl-		
Oral	LD ₅₀	3500 mg/kg (rat)
Dermal	LD ₅₀	17800 mg/kg (rabbit)

Acute Health Effects**Inhalation:** Harmful if inhaled.**Skin:** Harmful in contact with skin.**Eye:** The product is not considered as being an eye irritant.**Ingestion:** No information available**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** No sensitising effects known.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Ethylbenzene is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Xylene and cyclohexanone is classified by IARC as a Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

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Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**12 . ECOLOGICAL INFORMATION****Ecotoxicity:** No information available**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	
ADG, IMDG, IATA	UN1950
Proper Shipping Name	
ADG	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
Dangerous Goods Class	
ADG Class:	2 5F Gases.
IMDG Class:	2.1
Packing Group:	
ADG, IMDG, IATA	Void
Marine pollutant:	No
EMS Number:	F-D,S-U
Hazchem Code:	2YE
Special Provisions:	63, 190, 277, 327
Limited Quantities:	See SP 227
Packagings & IBCs - Packing Instruction:	P003, LP02
Packagings & IBCs - Special Packing Provisions:	PP17, PP87, L2
Portable Tanks & Bulk Containers - Instructions:	Not applicable
Portable Tanks & Bulk Containers - Special Provisions:	Not applicable

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15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

115-10-6	dimethyl ether
67-64-1	Acetone
1330-20-7	Benzene, dimethyl-
78-93-3	2-Butanone
78-83-1	butanol
108-94-1	Cyclohexanone
100-41-4	Benzene, ethyl-

16 . OTHER INFORMATION

Creation Date: 26.08.2013

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 IARC: International Agency for Research on Cancer
 STEL: Short Term Exposure Limit
 TWA: Time Weighted Average

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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