

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Insulating varnish

Details of Manufacturer or Importer:

Associated Gaskets Pty Ltd
68 Marigold Street
Revesby NSW Australia 2212

Phone Number:

Australia: +61 2 9774 3333
Italy: +39 0736 3081 (8 AM - 5 PM)

Emergency telephone number:

National Poison Information Centre: 13 11 26 (Australia)
0800 764 766 (New Zealand)

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 3 H226 Flammable liquid and vapour.



health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.

Signal Word Danger

Hazard Statements

H226 Flammable liquid and vapour.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary Statements

P233 Keep container tightly closed.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

(Contd. on page 2)

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

(Contd. of page 1)

P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P405	Store locked up.
P403+P235	Store in a well-ventilated place. Keep cool.
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.**Hazardous Components:**

1330-20-7	Xylene ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; STOT SE 3, H335	12.5 - <20%
	Reaction mass of ethyl benzene and xylene ⚠ Flammable Liquids 3, H226; ⚠ STOT RE 2, H373; Aspiration Hazard 1, H304; ⚠ Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335	12.5 - <20%
90-43-7	Biphenyl-2-ol ⚠ Aquatic Acute 1, H400; ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2, H319; STOT SE 3, H335	0.1 - <0.25%
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304	0.1 - <0.25%
136-52-7	Cobalt bis(2-ethylhexanoate) ⚠ Acute Toxicity (Oral) 4, H302	0.1 - <0.25%

Additional information:

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no. 200-753-7). When the substance is classified as a carcinogen or mutagen, Note E shall also apply. When the substance is not classified as a carcinogen or mutagen, at least the Safety Phrases (2-)23-24-62 shall apply. This note applies only to certain complex oil-derived substances in Annex I. (CAS No. 64742-82-1).

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 for 15 minutes. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person. Do not give milk or alcohol. Seek immediate medical attention.

(Contd. on page 3)

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

(Contd. of page 2)

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. May cause nausea, vomiting and Central Nervous System (CNS) depression.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be fatal if swallowed and enters airways.

5 . FIRE FIGHTING MEASURES**Suitable Extinguishing Media:**

Water fog, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use full water jet.

Specific Hazards Arising from the Chemical:

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

Product is flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. 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.

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 non-combustible 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.

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 container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, reducing agents, acids, bases, amines, alkali metals and alkali earth metals.

(Contd. on page 4)

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

(Contd. of page 3)

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	
1330-20-7 Xylene	
WES	STEL: 655 mg/m ³ , 150 ppm TWA: 350 mg/m ³ , 80 ppm
136-52-7 Cobalt bis(2-ethylhexanoate)	
GB EH40	
TWA	0.1 mg/m ³ (cobalt)

Engineering Controls:

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

Respiratory Protection:

Use an approved organic vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Polyvinyl alcohol, nitrile- or butyl-rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Light yellow
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/Melting range:	<-15 °C
Initial Boiling Point/Boiling Range:	137 - 143 °C
Flash Point:	27 °C
Flammability:	Flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	0.8 Vol %
Upper:	7.0 Vol %
Vapour Pressure:	No information available
Density at 20 °C:	1.00 g/cm ³
Vapour Density:	1
Evaporation Rate:	No information available

(Contd. on page 5)

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

(Contd. of page 4)

Solubility in Water: Immiscible
Partition Coefficient (n-octanol/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, sparks, open flames and other sources of ignition.

Incompatible Materials:

Strong oxidising agents, reducing agents, acids, bases, amines, alkali metals and alkali earth metals.

Hazardous Decomposition Products: Oxides of carbon, nitrogen and dense black smoke.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

1330-20-7 Xylene

Oral	LD ₅₀	3.523 mg/kg (rat)
Dermal	LD ₅₀	2000 mg/kg (rabbit)

90-43-7 Biphenyl-2-ol

Oral	LD ₅₀	2000 mg/kg (rat)
Dermal	LD ₅₀	>2000 mg/kg (rat)

Acute Toxicity Estimates:

Inhalation - >20 mg/L (4h)

Dermal - >2.00 mg/kg

Acute Health Effects

Inhalation:

May cause respiratory irritation. May cause nausea, vomiting and Central Nervous System (CNS) depression.

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Ingestion: May be fatal if swallowed and enters airways.

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

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Xylenes and ortho-Phenylphenol are classified by IARC as 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.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: May be fatal if swallowed and enters airways.

(Contd. on page 6)

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

(Contd. of page 5)

Chronic Health Effects: No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity:**Aquatic toxicity:****1330-20-7 Xylene**EC₅₀/72 h 2.2 mg/l (senastrum capricornutum)**64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy**EC₅₀/48 h 10 - 22 mg/L (daphnia)EC₅₀/72 h 4.1 mg/l (pseudokirchnerie lla subcapitata)LC₅₀/96 h 10 - 30 mg/L (rainbow trout)**Persistence and Degradability:** Xylene and naphtha are both readily biodegradable.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant 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**

UN1263

Proper Shipping Name**ADG, IMDG, IATA**

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

Dangerous Goods Class**ADG Class:**

3 Flammable liquids.

Packing Group:**ADG, IMDG, IATA**

III

EMS Number:F-E,S-E**Hazchem Code:**

.3Y

Special Provisions:

163, 223, 367

Limited Quantities:

5L

Packagings & IBCs - Packing Instruction:

P001, IBC03, LP01

Packagings & IBCs - Special Packing Provisions: PP1

(Contd. on page 7)

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 01.12.2019

Product Name: ELMOTHERM 009-0008 CLEAR CANNED VARNISH

(Contd. of page 6)

Portable Tanks & Bulk Containers - Instructions: T2**Portable Tanks & Bulk Containers - Special Provisions:**

TP1, TP29

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

1330-20-7	Xylene
90-43-7	Biphenyl-2-ol
136-52-7	Cobalt bis(2-ethylhexanoate)
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 . OTHER INFORMATION

Abbreviations and acronyms:

ADG: Australian Dangerous Goods
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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
 NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
 Flammable Liquids 3: Flammable liquids – Category 3
 Acute Toxicity (Dermal) 4: Acute toxicity – Category 4
 Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
 Serious Eye Damage/Irritation 2: Serious eye damage/eye irritation – Category 2
 Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Aspiration Hazard 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Reference: Elantas Revision Date 04/03/2016 Version 5.0 SDB_GB**Disclaimer**

This SDS 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”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Associated Gaskets Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.