

Safety Data Sheet

Infosafe No™ LQ26S Issue Date : March 2013 ISSUED by SPECOTHO

Product Name **METALLIC ENGINE ENAMEL, BLACK PEARL**

Classified as hazardous

1. Identification

GHS Product Identifier METALLIC ENGINE ENAMEL, BLACK PEARL
Product Code SP405
Company Name SPECO THOMAS PTY. LTD. (ABN 58 005 669 269)
Address 1B LEVANSWELL ROAD MOORABBIN
VIC 3189 Australia
Telephone/Fax Number Tel: 03 95557244
Fax: 03 95532841
Recommended use of the chemical and restrictions on use Engine enamel.

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word (s) Flammable Aerosol: Category 1
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 3
STOT Single Exposure Category 3 (narcotic)
Danger

Hazard Statement (s) H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Pictogram (s) Flame, Exclamation mark



Precautionary statement – Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statement – Storage P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 48°C/120°F.

Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
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Acetone	67-64-1	40 %
Methyl ethyl ketone	78-93-3	14 %
Butane	106-97-8	10 %
Propane	74-98-6	10 %
Ethyl-3-ethoxypropionate	763-69-9	8 %
Ethanol	64-17-5	3 %
Toluene	108-88-3	2 %
Mica	12001-26-2	2 %
Xylene	1330-20-7	1 %
2-Propanol	67-63-0	1 %
Ethylbenzene	100-41-4	0.3 %
Titanium dioxide	13463-67-7	0.3 %
Ingredients determined not to be hazardous		Balance

4. First-aid measures

Inhalation	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Unlikely to occur due to the physical state of the product. However, if ingested, rinse mouth with water. Do NOT induce vomiting. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
First Aid Facilities	Eyewash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical, foam, water fog or water mist.
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	Contents under pressure - cans can explode in a fire. This product is extremely flammable. Keep containers and fire-exposed surfaces cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	2YE
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

6. Accidental release measures

Emergency Procedures	Extinguish or remove all sources of ignition and stop leak if safe to do so. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Place inert, non-combustible absorbent material onto spillage. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs
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inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. Handling and storage

Precautions for Safe Handling

EXTREMELY FLAMMABLE. VAPOUR OR GAS REDUCES OXYGEN FOR BREATHING. IN CONFINED SPACES MAY CAUSE ASPHYXIATION. Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. DO NOT store or use in confined spaces. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Build up of mists or vapours in the atmosphere must be prevented. Do NOT cut or heat containers as they may contain hazardous residues. Do not smoke. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. Do not expose can to temperatures exceeding 48°C. Protect containers against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurise, cut or heat aerosol containers. Content is under pressure and can explode violently. Ensure that storage conditions comply with applicable local and national regulations.

Storage Temperatures

Do not store at temperatures over 48°C or in direct sunlight.

8. Exposure controls/personal protection

Occupational

exposure limit values

No exposure value assigned for this material by Safe Work Australia. However, the available exposure limits for ingredients are listed below:

Safe Work Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Butane	800	1900	-	-	-
Toluene	50	191	150	574	Sk
Ethylbenzene	100	434	125	543	-
Xylene	80	350	150	655	-
Ethanol	1000	1880	-	-	-
2-Propanol	400	983	500	1230	-
Acetone	500	1185	1000	2375	-
Methyl ethyl ketone	150	445	300	890	-
Mica	-	2.5	-	-	-

(Inspirable)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Biological Limit Values

Determinant Indices (BEI)	Sampling Time	Biological Exposure
TOLUENE [108-88-3]		
o-Cresol in urine	End of shift	0.3 mg/g creatinine
Toluene in urine	End of shift	0.03 mg/L

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	Toluene in blood	Prior to last shift of workweek	0.02 mg/L
	ETHYL BENZENE [100-41-4] Sum of mandelic acid and phenylglyoxylic acid in urine (Ethyl benzene in end-exhaled air)	End of shift at end of workweek (Not critical)	(0.7 g/g creatinine) (-)
	XYLENES [1330-20-7] (technical or commercial grade) Methylhippuric acids in urine	End of shift	1.5 g/g creatinine
	2-PROPANOL [67-63-0] Acetone in urine	End of shift at end of workweek	40 mg/L
	ACETONE [67-64-1] Acetone in urine	End of shift	50 mg/L
	METHYL ETHYL KETONE [78-93-3] MEK in urine	End of shift	2 mg/L
Appropriate engineering controls	Before entering a confined space where propane and butane is present, check to make sure sufficient Oxygen (19.5%) exists. Refer to AS 2865 - 2009 Australian Standard Confined spaces		
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.		
Eye Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.		
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.		
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.		

9. Physical and chemical properties

Appearance	Aerosol
Colour	Not available
Odour	Not available
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	<-18°C to 172°C
Solubility in Water	Not available
Specific Gravity	0.78
pH	Not available
Vapour Pressure	Not available

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Vapour Density (Air=1)	Heavier than air
Evaporation Rate	Faster than ether
Odour Threshold	Not available
Viscosity	Not available
Volatile Component	49.37% (by weight)
Partition Coefficient: n-octanol/water	Not available
Density	773 g/L
Flash Point	<-17°C (Propellant)
Flammability	Extremely flammable aerosol
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	1.0
Flammable Limits - Upper	19.0

10. Stability and reactivity

Reactivity	Reacts with incompatibles.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, direct sunlight open flames and other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	The available toxicity data for material given below.
Acute Toxicity - Oral	Toluene: LD50 (Rat): 5,000 mg/kg Ethylbenzene: LD50 (Rat): 3,500 mg/kg Xylene: LD50 (Rat): 4,300 mg/kg Ethanol: LD50 (Rat): 7,060 mg/kg 2-Propanol: LD50 (Rat): 5,045 mg/kg Acetone: LD50 (Rat): 5,800 mg/kg Methyl ethyl ketone: LD50 (Rat): 2,740 mg/kg
Acute Toxicity - Inhalation	Toluene: LC50 (Rat): 4,000 ppm/4H Xylene: LC50 (Rat): 5,000 ppm/4H
Ingestion	Ingestion unlikely due to form of product.
Inhalation	May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness nausea and vomiting.

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Skin	Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.
Chronic Effects	Prolonged or repeated exposure through inhalation of product may lead to sensitisation and occupational asthma.
Other Information	<p>Toluene, Xylene and 2-Propanol have been classified by the IARC (International Agency for Research on Cancer) as group 3 carcinogens. Group 3 - Not classifiable as to its carcinogenicity to humans.</p> <p>Ethylbenzene and Titanium dioxide have been classified by the IARC (International Agency for Research on Cancer) as group 2B carcinogens. Group 2B - Possibly carcinogenic to humans.</p>

12. Ecological information

Ecotoxicity	No ecological data available for this material.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Do not pierce, burn, cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Empty the container completely before disposal. Contaminated containers must not be treated as household waste. Advise flammable nature.
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14. Transport information

Transport Information	<p>Road and Rail Transport (ADG Code): This material is classified as a Division 2.1 (Flammable Gases) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. (7th edition) Division 2.1 Dangerous Goods are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none">- Class 1, Explosives- Division 2.2 Non-flammable, Non toxic gas that have a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.- Class 3, Flammable Liquids, if both the Division 2.1 and Class 3 dangerous goods are in tanks or other receptacles with a capacity individually exceeding 500L.- Division 4.1, Flammable Solids
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- Division 4.2, Spontaneously Combustible Substances
- Division 4.3, Dangerous When Wet Substances
- Division 5.1, Oxidising Agents
- Division 5.2, Organic Peroxides
- Class 7, Radioactive Substances

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Proper Shipping Name: AEROSOLS

UN-No: 1950

Division: 2.1

EmS: F-D,S-U

Special Provisions: 63 190 277 327 344 959

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Proper Shipping Name: Aerosols, flammable

UN-No: 1950

Division: 2.1

Packaging Instructions (cargo only): 203

Packaging Instructions (passenger & cargo): 203

1950

U.N. Number

UN proper shipping name AEROSOLS

Transport hazard class(es) 2.1

Hazchem Code 2YE

EPG Number 2D1

IERG Number 49

IMDG Marine pollutant No

15. Regulatory information

Regulatory Information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule S5

AICS (Australia) The listed chemicals are included in Australian Inventory of Chemical Substances (AICS) or otherwise notified under NICNAS.

16. Other Information

Date of preparation or last revision of SDS SDS Created: March 2013

Literature References -Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

-Standard for the Uniform Scheduling of Medicines and Poisons.

-Australian Code for the Transport of Dangerous Goods by Road & Rail.

-Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

-Workplace exposure standards for airborne contaminants, Safe work Australia.

-American Conference of Industrial Hygienists (ACGIH).

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-Globally Harmonised System of classification and labelling of chemicals.
...End Of MSDS...

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