



Safety Data Sheet

LOCTITE PC 9660 MAXICOAT known as MAXI COAT 16 FO
AEROSOL 454G

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SDS No. : 153772

V001.3

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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: LOCTITE PC 9660 MAXICOAT known as MAXI COAT 16 FO AEROSOL 454G

Intended use: Coating

Supplier:

Henkel Australia Pty Ltd
135-141 Canterbury Road
Kilsyth, Victoria, 3137
Australia

Phone: +61 (3) 9724 6444

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture

Hazardous according to the criteria of Safe Work Australia.

GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable aerosols	Category 1	
Flammable aerosols	Category 1	
Skin irritation	Category 2	
Serious eye irritation	Category 2A	
Carcinogenicity	Category 1B	
Toxic to reproduction	Category 2	
Target Organ Systemic Toxicant - Single exposure	Category 3	Central nervous system
Target Organ Systemic Toxicant - Repeated exposure	Category 1	Central nervous system
Target Organ Systemic Toxicant - Repeated exposure	Category 2	Nervous system
Acute hazards to the aquatic environment	Category 2	
Chronic hazards to the aquatic environment	Category 2	

Hazard pictogram:



Signal word: Danger

Hazard statement(s):	<p>H222 Extremely flammable aerosol. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary Statement(s):	
Prevention:	<p>P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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 dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves. P281 Use personal protective equipment as required.</p>
Response:	<p>P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P308+P313 IF exposed or concerned: Get medical advice/attention. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing. P391 Collect spillage.</p>
Storage:	<p>P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p>
Disposal:	<p>P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.</p>

Dangerous Goods information:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Section 3. Composition / information on ingredients

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Stoddard solvent, <0.1% Benzene	8052-41-3	10- < 30 %
Residual oils (petroleum), solvent deasphalted	64741-95-3	10- < 30 %
n-Heptane	142-82-5	10- < 20 %
n-Hexane	110-54-3	10- < 20 %
non hazardous ingredients~		30- <= 60 %

Section 4. First aid measures

Ingestion:	Do not induce vomiting. Have victim rinse mouth thoroughly with water. Seek medical advice.
Skin:	Remove contaminated clothing and footwear. Wash with soap and water. Seek medical advice. Wash clothing before reuse.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Seek medical advice.
First Aid facilities:	Eye wash and safety shower Normal washroom facilities
Medical attention and special treatment:	Treat symptomatically and supportively.

Section 5. Fire fighting measures

Suitable extinguishing media:	Foam Carbon dioxide. Dry chemical.
Improper extinguishing media:	Water spray jet
Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. carbon monoxide Carbon dioxide. Hydrocarbons.
Particular danger in case of fire:	WARNING FLAMMABLE! Contents under pressure. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Do not puncture or incinerate pressurized containers.
Special protective equipment for fire-fighters:	Use water spray to keep fire exposed containers cool and disperse vapors. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray. Collect contaminated fire fighting water separately. It must not enter drains.

Section 6. Accidental release measures

Personal precautions:	See advice in section 8 Do not breathe solvent vapors. Ensure adequate ventilation.
Environmental precautions:	Ventilate area. Remove all sources of ignition. Do not let product enter drains.
Clean-up methods:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Wear suitable protective clothing, gloves and eye/face protection.

Section 7. Handling and storage**Precautions for safe handling:**

Avoid breathing vapors or mists of this product.
Avoid contact with eyes, skin and clothing.
Keep away from heat, spark and flame.
Vapors will accumulate readily and may ignite explosively.
Ensure adequate ventilation.

Conditions for safe storage:

Store in a cool, well-ventilated place.
Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).
Keep away from heat and direct sunlight.

Section 8. Exposure controls / personal protection**National exposure standards:**

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
White spirits 8052-41-3			790				
HEPTANE (N-HEPTANE) 142-82-5		400	1,640				
HEPTANE (N-HEPTANE) 142-82-5						500	2,050
HEXANE (N-HEXANE) 110-54-3		20	72				
White spirits 8052-41-3			790				
HEPTANE (N-HEPTANE) 142-82-5		400	1,640				
HEPTANE (N-HEPTANE) 142-82-5						500	2,050
HEXANE (N-HEXANE) 110-54-3		20	72				

Engineering controls:

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

Eye protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Solvent resistant gloves such as Viton, poly (vinyl alcohol), or equivalent is recommended.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.
Wear suitable protective clothing.

Respiratory protection:

If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

Section 9. Physical and chemical properties

Appearance:	Brown Liquid, Aerosol
Odor:	Solvent
pH:	Not available.
Specific gravity:	0.73
Boiling point:	-42.2 - 154.4 °C (-44 - 309.9 °F)
Flash point:	Not applicable to aerosols.
Evaporation rate:	1
Flammability (solid, gas):	Extremely flammable aerosol.
Lower explosive limit:	0.7 %(V)
Upper explosive limit:	9.5 %(V)
Vapor density:	> 1
Solubility in water:	Insoluble

Section 10. Stability and reactivity

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Keep away from heat, spark and flame. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. carbon monoxide carbon dioxide Oxides of nitrogen.
Hazardous polymerization:	Will not occur.

Section 11. Toxicological information

Health Effects:**Ingestion:****Skin:**

Not expected under normal conditions of use.

Irritating to skin.

Repeated exposure may cause skin dryness or cracking.

Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes:

Symptoms may include severe irritation, pain, tearing, blurred vision.

Inhalation:

May cause irritation to nose and throat.

Vapours may cause drowsiness and dizziness.

Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

Carcinogenicity:

Category 1B (Carcinogen), May cause cancer.

Toxicity for reproduction:

Toxic to reproduction, category 2, Suspected of damaging fertility or the unborn child.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	LD50 LC50 LD50	> 5,000 mg/kg > 5.5 mg/l > 3,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
n-Heptane 142-82-5	LD50 LC50 LD50	> 5,000 mg/kg > 29.29 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
n-Hexane 110-54-3	LD50 LC50 LD50	16,000 mg/kg > 31.86 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) not specified not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
n-Heptane 142-82-5	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
n-Hexane 110-54-3	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-Heptane 142-82-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-Hexane 110-54-3	not irritating		rabbit	not specified

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
n-Heptane 142-82-5	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
n-Hexane 110-54-3	not sensitising	Mouse local lymph node assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell micronucleus test	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	negative	intraperitoneal		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
n-Heptane 142-82-5	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without not applicable		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
n-Hexane 110-54-3	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-Hexane 110-54-3	negative negative	inhalation: vapour inhalation: vapour		mouse rat	not specified not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	NOAEL=1,056 mg/kg	oral: gavage	28 days/daily, 7 days/week, 28 days	rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
n-Heptane 142-82-5		inhalation: vapour	16 weeks/12 hours/day, 7 days/week	rat	
n-Hexane 110-54-3	NOAEL=568 mg/kg	oral: gavage	90 d/5 d/w	rat	not specified
n-Hexane 110-54-3	NOAEL=500 ppm	inhalation: vapour	90 d/6 h/d; 5 d/w	mouse	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

Section 12. Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

Ecotoxicity:

Toxic to aquatic life with long lasting effects.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	LC50	2.5 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	NOEC	> 0.1 - 1.4 mg/l	Fish	112 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
Stoddard solvent, <0.1% Benzene 8052-41-3	EL50	1.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	EC50	1.2 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	NOEC	0.16 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Residual oils (petroleum), solvent deasphalted 64741-95-3	LC50	> 5,000 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Residual oils (petroleum), solvent deasphalted 64741-95-3	EC50	> 1,000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-Heptane 142-82-5	LC50	> 220 - 270 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Heptane 142-82-5	EC50	1.5 mg/l	Daphnia	48 h	Daphnia magna	other guideline:
n-Hexane 110-54-3	LC50	> 1 - 10 mg/l	Fish	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Hexane 110-54-3	EC50	2.1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-Hexane 110-54-3	EC50	> 1 - 10 mg/l	Algae	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-Hexane 110-54-3	EC50	> 1 - 10 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Stoddard solvent, <0.1% Benzene 8052-41-3	readily biodegradable	aerobic	> 63 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Residual oils (petroleum), solvent deasphalted 64741-95-3		aerobic	6 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
n-Heptane 142-82-5	readily biodegradable	aerobic	70 %	other guideline:
n-Hexane 110-54-3	readily biodegradable	aerobic	81 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
n-Heptane 142-82-5		552		calculation		QSAR (Quantitative Structure Activity Relationship)
n-Heptane 142-82-5	4.66					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
n-Hexane 110-54-3	4				20 °C	other guideline:

Section 13. Disposal considerations

- Waste disposal of product:** Collection and delivery to recycling enterprise or other registered elimination institution.
Depressurize cans.
Do not puncture or incinerate pressurized containers.
- Disposal for uncleaned package:** Completely empty pressurized gas containers (including propellant gas).
Disposal must be made according to official regulations.

Section 14. Transport information**Road and Rail Transport:**

- Dangerous Goods information: Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
- UN no.: 1950
- Proper shipping name: AEROSOLS
- Class or division: 2.1
- Packing group:
- Emergency information: Refer to the Australian Emergency Response Guide Book

Marine transport IMDG:

- UN no.: 1950
- Proper shipping name: AEROSOLS
- Class or division: 2.1
- Packing group:
- EmS: F-D ,S-U
- Seawater pollutant: -

Air transport IATA:

UN no.:	1950
Proper shipping name:	Aerosols, flammable
Class or division:	2.1
Packing group:	
Packing instructions (passenger)	203
Packing instructions (cargo)	203

Section 15. Regulatory information

SUSMP Poisons Schedule None

AIIC: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICIS).

Section 16. Other information

Abbreviations/acronyms:

- ADGC - Australian Dangerous Goods Code
- IMDG: International Maritime Dangerous Goods code
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- STEL - Short term exposure limit
- TWA - Time weighted average
- AIIC - Australian Inventory of Industrial Chemicals (AIIC)
- AICIS - Australian Industrial Chemicals Introduction Scheme

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 1-16

Date of previous issue: 30.10.2017

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