

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

**Product name** CA 9311/F36231 BASE COMPONENT  
**Synonym(s)** CA 9311/F36231 BASE COMPONENT - PRODUCT CODE

### 1.2 Uses and uses advised against

**Use(s)** COATING • PAINT

### 1.3 Details of the supplier of the safety data sheet

**Supplier name** PPG INDUSTRIES AUSTRALIA PTY. LTD. (ASC - AUSTRALIA)  
**Address** 23 Ovata Drive, Tullamarine, VIC, Australia, 3043  
**Telephone** (03) 9335 1557  
**Fax** (03) 9335 3490  
**Email** contact.aust@ppg.com  
**Website** <http://www.ppg.com/coatings/aerospace/>

### 1.4 Emergency telephone number(s)

**Emergency** 1800 807 001

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS Classification(s)** Flammable Liquids: Category 3  
Acute Toxicity: Oral: Category 4  
Serious Eye Damage / Eye Irritation: Category 2A  
Specific Target Organ Systemic Toxicity (Single Exposure): Category 3  
Aquatic Toxicity (Chronic): Category 3

### 2.2 Label elements

**Signal word**

**WARNING**

**Pictograms**



**Hazard statement(s)**

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

**Prevention statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash 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.

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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- Response statement(s)**
- P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 IF INHALED: Remove 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.
- P330 Rinse mouth.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P370 + P378 In case of fire: Use appropriate media for extinction.
- Storage statement(s)**
- P403 + P233 + P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- P405 Store locked up.
- Disposal statement(s)**
- P501 Dispose of contents/container in accordance with relevant regulations.

**2.3 Other Hazards**

No information provided.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

**3.1 Substances / Mixtures**

Ingredient	CAS number	EC number	Content
METHYL AMYL KETONE	110-43-0	203-767-1	10 - 30%
METHYL ETHYL KETONE (MEK)	78-93-3	201-159-0	10 - 30%
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6	203-603-9	1 - 10%
ACETYLACETONE	123-54-6	204-634-0	1 - 10%
ETHYL-3-ETHOXYPROPIONATE	763-69-9	212-112-9	1 - 10%
ETHYLBENZENE	100-41-4	202-849-4	1 - 10%
TITANIUM DIOXIDE	13463-67-7	236-675-5	1 - 10%
XYLENE	1330-20-7	215-535-7	1 - 10%
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)PYRROLIDINE-2,5-DIONE	79720-19-7	279-242-6	<1%
POLYESTER RESINS	69929-19-7	Not Available	10 - 30%
1-BUTANOL, 4-(ETHENYLOXY)-, POLYMER WITH CHLOROTRIFLUOROETHENE, (ETHENYLOXY)CYCLOHEXANE AND ETHOXYETHENE	88795-12-4	Not Available	1 - 10%
BARIUM SULPHATE	7727-43-7	231-784-4	1 - 10%
ISONONYL ACETATE	108419-33-6	Not Available	1 - 10%
BENZOTRIAZOLE DERIVATIVE	127519-17-9	407-000-3	<1%
PHENOL, 2-[4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL]-5-(OCTYLOXY)-, BRANCHED AND LINEAR	195628-73-0	Not Available	<1%

**4. FIRST AID MEASURES**

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No information provided.

No information provided.

Treat symptomatically.

**5. FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

No information provided.

**5.2 Special hazards arising from the substance or mixture**

No information provided.

**5.3 Advice for firefighters**

No information provided.

**5.4 Hazchem code**

•3Y

- Alcohol Resistant Foam is the preferred firefighting medium. Else use;
- 3 Normal Foam (protein based foam that is not alcohol resistant).
- Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

No information provided.

**6.2 Environmental precautions**

No information provided.

**6.3 Methods of cleaning up**

No information provided.

**6.4 Reference to other sections**

No information provided.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

No information provided.

**7.2 Conditions for safe storage, including any incompatibilities**

No information provided.

**7.3 Specific end use(s)**

No information provided.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure standards**

Substance	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1-Methoxy-2-propanol acetate	SWA (AUS)	50	274	100	548

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Substance	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Barium sulphate	SWA (AUS)	--	10	--	--
Ethyl benzene	SWA (AUS)	100	434	125	543
Methyl ethyl ketone (MEK)	SWA (AUS)	150	445	300	890
Methyl n-amyl ketone	SWA (AUS)	50	233	--	--
Titanium dioxide (a)	SWA (AUS)	--	10	--	--
Xylene	SWA (AUS)	80	--	150	--

**Biological limits**

Ingredient	Reference	Determinant	Sampling time	BEI
ETHYLBENZENE	ACGIH BEI	Sum of mandelic acid and phenylglyoxylic acid in urine	End of shift at end of workweek	0.7 g/g creatinine
	ACGIH BEI	Ethyl benzene in end-exhaled air	Not critical	-
METHYL ETHYL KETONE (MEK)	ACGIH BEI	MEK in urine	End of shift	2 mg/L
XYLENE	ACGIH BEI	Methylhippuric acids in urine	End of shift	1.5 g/g creatinine

**8.2 Exposure controls**

**Engineering Controls** No information provided.

**PPE**

**Eye/Face** Wear splash-proof goggles.

**Hand** Wear barrier gloves.

**Body** Wear coveralls.

**Respiratory** Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, with prolonged use, or if in confined areas, wear a Full-face Type A-Class P1 (Organic gases/vapours and Particulate) respirator or an Air-line respirator. Where the boiling point is < 65°C, use an AX filter type.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	GREY LIQUID
<b>Odour</b>	SLIGHT ODOUR
<b>Odour Threshold</b>	NOT AVAILABLE
<b>pH</b>	NOT AVAILABLE
<b>Melting Point</b>	NOT AVAILABLE
<b>Boiling Point</b>	> 37.78°C
<b>Flash Point</b>	26.67°C (cc)
<b>Evaporation Rate</b>	NOT AVAILABLE
<b>Flammability</b>	FLAMMABLE
<b>Upper Explosion Limit</b>	NOT AVAILABLE
<b>Lower Explosion Limit</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE
<b>Vapour Density</b>	NOT AVAILABLE
<b>Solubility (water)</b>	INSOLUBLE
<b>Partition Coefficient</b>	NOT AVAILABLE

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**Autoignition Temperature** NOT AVAILABLE  
**Decomposition Temperature** NOT AVAILABLE  
**Viscosity** NOT AVAILABLE  
**Explosive Properties** NOT AVAILABLE  
**Oxidising Properties** NOT AVAILABLE  
**Specific Gravity** 1.19

**9.2 Other information**

No information provided.

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

Carefully review all information in sections 10.2 to 10.6.

**10.2 Chemical stability**

No information provided.

**10.3 Possibility of hazardous reactions**

No information provided.

**10.4 Conditions to avoid**

No information provided.

**10.5 Incompatible materials**

No information provided.

**10.6 Hazardous decomposition products**

May evolve toxic gases if heated to decomposition.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Health Hazard Summary** No information provided.

No information provided.

No information provided.

No information provided.

No information provided.

METHYL AMYL KETONE (110-43-0)

LCLo (Inhalation): 4000 ppm/4 hours (rat)

LD50 (Ingestion): 730 mg/kg (mouse)

LD50 (Intraperitoneal): 400 mg/kg (mouse)

LD50 (Skin): 12.6 ml/kg (rabbit)

METHYL ETHYL KETONE (MEK) (78-93-3)

LC50 (Inhalation): 23500 mg/kg (rat)

LD50 (Ingestion): 2737 mg/kg (rat)

LD50 (Intraperitoneal): 607 mg/kg (rat)

LD50 (Skin): 6480 mg/kg (rabbit)

TCLo (Inhalation): 100 ppm/5 minutes (Human - eye irritant)

2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

LD50 (Ingestion): 8532 mg/kg (rat)

LD50 (Intraperitoneal): 750 mg/kg (mouse)

LD50 (Skin): > 5000 mg/kg (rabbit)

ACETYLACETONE (123-54-6)

LC50 (Inhalation): 5.1 mg/L/4hrs

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LCLo (Inhalation): 1000 ppm/4hr (rat)  
LD50 (Ingestion): 570 mg/kg (rat)  
LD50 (Skin): 775 mg/kg (rabbit)  
LDLo (Intraperitoneal): 400 mg/kg (rat)  
LDLo (Skin): 20 mL/kg (guinea pig)  
ETHYL-3-ETHOXYPROPIONATE (763-69-9)  
LC50 (Inhalation): > 1000 ppm/6 hours (rat)  
LD50 (Ingestion): 5000 mg/kg (rat)  
LD50 (Skin): 10 mL/kg (rabbit)  
ETHYLBENZENE (100-41-4)  
LC50 (Inhalation): 50 g/m<sup>3</sup>/2 hours (mouse)  
LCLo (Inhalation): 4000 ppm/4 hours (rat)  
LD50 (Ingestion): 3500 mg/kg (rat)  
LD50 (Skin): 17800 mg/kg (rabbit)  
TCLo (Inhalation): 100 ppm/7 hours (human)  
XYLENE (1330-20-7)  
LC50 (Inhalation): 4330–5984 ppm/6 hours (rat)  
LCLo (Inhalation): 10000 ppm/6 hours (man)  
LD50 (Ingestion): 4300 mg/kg (rat)  
LD50 (Intraperitoneal): 1548 mg/kg (mouse)  
LD50 (Skin): > 1700 mg/kg (rabbit)  
LD50 (Subcutaneous): 1700 mg/kg (rat)

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Results of PBT and vPvB assessment**

No information provided.

**12.6 Other adverse effects**

No information provided.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

No information provided.

**Legislation**

Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

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**CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**



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	Land Transport (ADG)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
<b>14.1 UN number</b>	1263	1263	1263
<b>14.2 UN proper shipping name</b>	PAINT or PAINT RELATED MATERIAL		
<b>14.3 Transport hazard classes</b>			
<b>DG Class</b>	3	3	3
<b>Subsidiary risk(s)</b>	None Allocated	-	-
<b>14.4 Packing group</b>	III	III	III
<b>14.5 Environmental hazards</b>		Not a Marine Pollutant	
<b>14.6 Special precautions for user</b>			
<b>Hazchem Code</b>	•3Y		
<b>EMS</b>		F-E, S-E	

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Poison schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).		
<b>Classifications</b>	F - Flammable N - Dangerous for the environment Xi - Irritant Xn - Harmful		
<b>Risk phrases</b>	R10:	Flammable.	
	R22:	Harmful if swallowed.	
	R36:	Irritating to eyes.	
	R52/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
	R67:	Vapours may cause drowsiness and dizziness.	
<b>Safety phrases</b>	S9:	Keep container in a well ventilated place.	
	S16:	Keep away from sources of ignition - No smoking.	
	S24/25:	Avoid contact with skin and eyes.	
<b>Inventory listing(s)</b>	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on AICS, or are exempt.		

**15.2 Chemical safety assessment**

No information provided.

**16. OTHER INFORMATION**

**Additional information** WORK PRACTICES - SOLVENTS: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

SYNERGISM - ANTAGONISM: Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to

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avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

**Report Status**

This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ('SDS') for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by



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any person as a consequence of their reliance on the information contained in this ChemAlert report.

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**End of Report**