



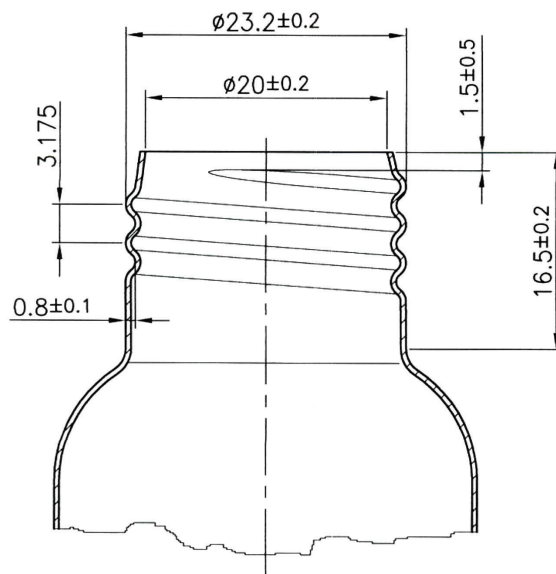
80 ML SLIVER ALUMINUM BULLET BOTTLE 24-410 LINED IN

Part #: 1580

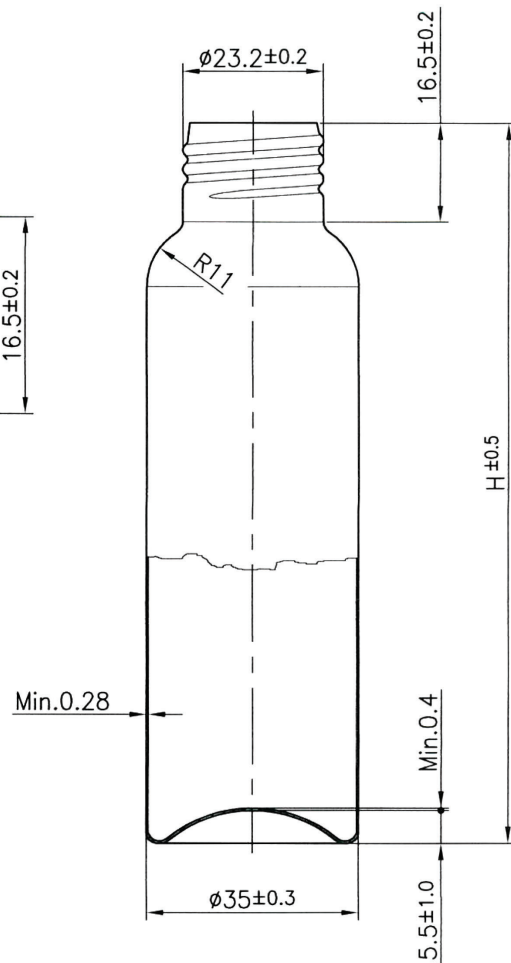
Size:	80 ML BOTTLE
Color:	SILVER
Material:	ALUMINUM
Style:	BULLET BOTTLE
Additional Info:	24-410 ; LINED IN
Case Pack:	288 / EACH
Pallet Pack:	15,552 / EACH



THREAD – RIGHT HAND
2 1/2 COMPLETE TURNS,
TO FIT CUSTOMER CAP



SCALE 2:1



—	FIRST ISSUE	21-010	—	—
ITEM	REVISION	DRCN No.	CHK.	APP.

TITLE ϕ 35 ALUMINIUM SCREW NECK BOTTLE
(ALUMINIUM ALLOY)

MATERIAL		DATE	NAME	SCALE	DRAWING No.	Sht. No.
AlMn	DWN.	9/6/21	Swat	1 : 1	O-3505-A1	1 of 1
EM-42300	CHK.	9/6/21		McKernan [®] PACKAGING CLEARING HOUSE		
	APP.	9/6/21				



Packaging Coatings Product Data Sheet

Product Description

Product Code

End use

PPG7407-310/A

PPG7407-310A

Highly flexible internal liner for monobloc aerosol cans and other extrude shells, covers a wide range of product resistances, suitable for products such as deodorants, hair sprays, shaving foams, mousse, insecticides, pharmaceutical and food. For professional use only.

Epoxy-phenolic, Solvent base

Lacquer type

Physical Properties

Colour (applied)

Gold

Weight solids

33.0 ± 2.0% stove 15 min @ 200 °C

Viscosity (Din 4@20°C)

140 ± 10 seconds

Specific gravity@20°C

1.020 ± 0.010 g/ml

Application Parameters

Application method

Spray application

Coating temperature

15 - 35 °C

Substrate

Washed aluminum

Dry film thickness

6 - 10 micron

Cure conditions

Temperature : min. 200°C, Time : min. 7 minutes

Type of curing

Circulating air drying

Thinner

P-TH000944

Additional Information

Shelf life

12 months @ 20 °C, in original sealed container
viscosity increase during storage is possible

Storage details

Min 5 °C - Max 35 °C, optimum 25 °C
Store out of direct sunlight
Keep product within specified storage temperature range

Coating preparation

Stir well before use! Avoid introducing air into coating!

Date issued

16-Sep-2013

Supersedes sheet dated

18-Jul-2013

Reference number

PPG7407-310/A05

Prepared by

Technical department

Disclaimer

"Statements and methods described herein are based upon the best knowledge of PPG Coatings (Thailand) Co., Ltd. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance or results, nor does PPG warrant freedom from patent infringement in the use of any formula or process herein"



Packaging Coatings

PPG Coatings (Thailand) Co., Ltd.

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Monobloc can

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Material Safety Data Sheet



Date of issue 15 March 2010
 Version 8.01

1. Product and company identification

Product name : PPG7407-310/A
 Product code : PPG7407-310A/18K-T
 Product use : Coating. Paint. Painting-related materials.
 Manufacturer : PPG Coatings (Thailand) Co., Ltd.
 423 Moo.17 Bangna-Trad Rd. KM23
 King Amphur Bangsaothong
 Samutprakarn 10540 Thailand
 Technical contact : PPG Coatings(Thailand)
 Tel: 66 (0) 23153133, 66 (0) 27067997
 Fax: 66 (0) 3153128

Emergency telephone number : 66 (0) 23153133, 66 (0) 27067997

2. Composition/information on ingredients

Ingredient name	CAS number	Concentration	Classification
2-methoxy-1-methylethyl acetate	108-65-6	25 - 50	R10 Xi; R36
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'- [(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bis[oxirane]	25036-25-3	25 - 50	Xi; R36/38 R43
4-hydroxy-4-methylpentan-2-one xylene	123-42-2 1330-20-7	10 - 12.5 7 - 10	Xi; R36 R10 Xn; R20/21 Xi; R38 R10
butan-1-ol	71-36-3	5 - 7	Xn; R22 Xi; R41, R37/38 R67
1-methoxy-2-propanol	107-98-2	2 - 3	R10
dimethyl glutarate	1119-40-0	2 - 3	Not classified.
ethylbenzene	100-41-4	1 - 2	F; R11 Xn; R20
2-methoxypropyl acetate	70657-70-4	0.5 - 1	R10 Repr. Cat. 2; R61 Xi; R37
o-cresol	95-48-7	0.2 - 0.5	T; R24/25 C; R34
phenol	108-95-2	0.1 - 0.2	Muta. Cat. 3; R68 T; R23/24/25 Xn; R48/20/21/22 C; R34
Formaldehyde	50-00-0	0.1 - 0.2	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



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Product code PPG7407-310A/18K-T	Date of issue 15 March 2010	Version 8.01
Product name PPG7407-310/A		

3. Physical and chemical properties

Physical state	: Liquid.
Boiling point	: >37.78°C (>100°F)
Relative density	: 1.02
Flash point	: Closed cup: 30°C (86°F)

Material supports combustion. : No.

4. Hazards identification

Health hazards	: May cause harm to the unborn child. Also harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. May cause sensitization by skin contact.
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5. First aid measures

Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
Notes to physician	: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

6. Fire-fighting measures

Extinguishing media

Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: None known.
Special exposure hazards	: In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides Formaldehyde.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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Product code PPG7407-310A/18K-T	Date of issue 15 March 2010	Version 8.01
Product name PPG7407-310/A		

7. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

8. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

9. Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Exposure limits
4-hydroxy-4-methylpentan-2-one	ACGIH TLV (United States, 1/2009). TWA: 238 mg/m ³ , 0 times per shift, 8 hour(s).
xylene	TWA: 50 ppm, 0 times per shift, 8 hour(s). Ministry of Interior (Thailand, 7/1977). TWA: 435 mg/m ³ , 0 times per shift, 8 hour(s).
butan-1-ol	TWA: 100 ppm, 0 times per shift, 8 hour(s). ACGIH TLV (United States, 1/2009).

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Product code PPG7407-310A/18K-T		Date of issue 15 March 2010	Version 8.01
Product name PPG7407-310/A			
1-methoxy-2-propanol	TWA: 20 ppm 8 hour(s). ACGIH TLV (United States, 1/2009). STEL: 553 mg/m ³ , 0 times per shift, 15 minute(s). STEL: 150 ppm, 0 times per shift, 15 minute(s). TWA: 369 mg/m ³ , 0 times per shift, 8 hour(s). TWA: 100 ppm, 0 times per shift, 8 hour(s).		
ethylbenzene	ACGIH TLV (United States, 1/2009). STEL: 125 ppm, 0 times per shift, 15 minute(s). TWA: 100 ppm, 0 times per shift, 8 hour(s).		
o-cresol	ACGIH TLV (United States, 1/2009). Absorbed through skin. TWA: 22 mg/m ³ , 0 times per shift, 8 hour(s). TWA: 5 ppm, 0 times per shift, 8 hour(s).		
phenol	Ministry of Interior (Thailand, 7/1977). TWA: 19 mg/m ³ , 0 times per shift, 8 hour(s). TWA: 5 ppm, 0 times per shift, 8 hour(s).		
Formaldehyde	Ministry of Interior (Thailand, 7/1977). CEIL: 5 ppm STEL: 10 ppm 30 minute(s). TWA: 3 ppm 8 hour(s).		

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye protection

: Chemical splash goggles.

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Gloves

: butyl rubber

Respiratory protection

: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



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Product code PPG7407-310A/18K-T	Date of issue 15 March 2010	Version 8.01
Product name PPG7407-310/A		

- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

10 . Stability and reactivity

- Stability** : Stable under recommended storage and handling conditions (see section 7).
- Conditions to avoid** : Avoid exposure - obtain special instructions before use.
- Materials to avoid** : No specific data.
- Hazardous decomposition products** : Formaldehyde.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

11 . Toxicological information

Potential acute health effects

- Inhalation** : Harmful by inhalation.
- Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.
- Skin contact** : Harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact.
- Eye contact** : Irritating to eyes.

Potential chronic health effects

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental toxicity	Impairs fertility
2-methoxypropyl acetate	-	-	Repr. Cat. 2; R61	-
phenol	-	Muta. Cat. 3; R68	-	-
Formaldehyde	Carc. Cat. 3; R40	-	-	-

Over-exposure signs/symptoms

Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Inhalation of high concentrations of vapor may affect the central nervous system. **1-component preparations:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization.

Target organs

- : Contains material which causes damage to the following organs: brain, eyes, central nervous system (CNS), ears.
- : Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, mucous membranes, heart, gastrointestinal tract, upper respiratory tract, skin.

12 . Ecological information

- Environmental effects** : No known significant effects or critical hazards.
- Mobility** : Not available.
- Other adverse effects** : No known significant effects or critical hazards.
- Do not allow to enter drains or watercourses.

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07

Product code PPG7407-310A/18K-T	Date of issue 15 March 2010	Version 8.01
Product name PPG7407-310/A		

13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

The classification of the product may meet the criteria for a hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

Regulation	UN number	Proper shipping name	Classes	PG*	Additional information
UN	1263	Paint.	3	III	-
IMDG	1263	Paint.	3	III	-
IATA	1263	Paint.	3	III	-

PG* : Packing group

15. Regulatory information

Hazardous Substance Act B.E. 2535 (1992)

UN hazard symbols :



UN number : 1263

16. Other information

Date of issue : 15 March 2010

Organization that prepared the MSDS : EHS

☒ Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

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ILLINGTM
P A C K A G I N G

Product Specification Sheet

Illing Part#

1580

บริษัท อลูคอน จำกัด (มหาชน)



RE : Specification of aluminium composition for AlMn0.3%

Si Max	Fe Max	Cu Max	Mn Max	Mg Max	Zn Max	Ti Max	Al Min
0.20	0.27-0.33	0.04	0.27-0.33	0.03	0.03	0.04	99.20

27-Apr-2022