SAFETY DATA SHEET



Date of issue 7/13/2024 (month/day/year)

Version 1.02

Section 1. Chemical product and company identification

: PSX ONE 750 LIGHT TINT BASE A. Product name

Product code : 00470985

B. Relevant identified uses of the substance or mixture and uses advised against

Product use : Professional applications, Used by spraying.

Use of the substance/

mixture

: Coating.

Uses advised against

: Product is not intended, labelled or packaged for consumer use.

C. Supplier's or Importer's

information

Email Address

: PPG SSC (680-090)

19, Yeocheon-ro 217beon-gil, Nam-gu,

Ulsan, Korea

Tel: +82-52-210-8222 Korea.MSDS@PPG.COM

Emergency telephone

number:

+82-52-210-8331

Section 2. Hazards identification

A. Hazard classification FLAMMABLE LIQUIDS - Category 4

> SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITISATION - Category 1 CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

This product is classified in accordance with the Industrial Safety and Health Act and the Chemical Control Act.

B. GHS label elements, including precautionary statements

Symbol



Signal word Warning

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Product name PSX ONE 750 LIGHT TINT BASE

Section 2. Hazards identification

Hazard statements

: H227 - Combustible liquid.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation. H351 - Suspected of causing cancer.

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

(central nervous system (CNS), kidneys, liver)

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

: P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P273 - Avoid release to the environment.

P260 - Do not breathe vapour.

P264 - Wash thoroughly after handling.

Response : P308 + P313 - IF exposed or concerned: Get medical advice or attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

C. Other hazards which do

not result in classification

: Causes digestive tract burns. Prolonged or repeated contact may dry skin and

cause irritation.

Section 3. Composition/information on ingredients

CAS number/other identifiers

CAS number : Not applicable.

Chemical name	Common name	Identifiers	%
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	20 -
			<30
4-chloro-α,α,α-trifluorotoluene	PARACHLOROBENZOTRIFLUORIDE	CAS: 98-56-6	10 -<20
n-butyl acetate	N-BUTYL ACETATE	CAS: 123-86-4	1 - <5
Solvent naphtha (petroleum), light	SOLVENT NAPHTHA (PETROLEUM),	CAS: 64742-95-6	1 - <5
aromatic	LIGHT AROMATIC		
Xylene	XYLENES	CAS: 1330-20-7	1 - <5
trimethoxy(methyl)silane	METHYLTRIMETHOXYSILANE	CAS: 1185-55-3	1 - <5
1,2,4-trimethylbenzene	1,2,4-TRIMETHYL BENZENE	CAS: 95-63-6	1 - <5
3-aminopropyltriethoxysilane	3-aminopropyltriethoxysilane	CAS: 919-30-2	1 - <5
2-methoxy-1-methylethyl acetate	1-METHOXY-2-PROPYL ACETATE	CAS: 108-65-6	1 - <5
ethylbenzene	ETHYLBENZENE	CAS: 100-41-4	0.1 - <1
bis(1,2,2,6,6-pentamethyl-4-piperidyl)	BIS(PENTAMETHYLPIPERIDYL)	CAS: 41556-26-7	0.1 - <1
sebacate	SEBACATE		
alkylamine	alkylamine	CAS: SUB140258	0.1 - <1

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Product code 00470985	Version 1.02					
Product name PSX ONE 750 LIGHT TINT BASE						
Section 3. Composition/information on ingredients						
propylidynetrimethanol	TRIMETHYLOLPROPANE	CAS: 77-99-6	0.1 - <1 0.1 - <1			
methyl alcohol	METHYL ALCOHOL	CAS: 67-56-1	0.1 - <1			

There are no additional 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.

Occupational exposure limits, if available, are listed in Section 8.

Section	4 Firet a	aid measures
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A. Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the
	eyelids apart for at least 10 minutes and seek immediate medical advice.

- B. Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- C. 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.
- **D.** Ingestion : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- E. Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment. **Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

A. Extinguishing media

Suitable extinguishing media

: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

from the chemical

B. Specific hazards arising : Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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Product name PSX ONE 750 LIGHT TINT BASE

Section 5. Firefighting measures

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon oxides nitrogen oxides

halogenated compounds

carbonyl halides metal oxide/oxides Formaldehyde.

C. Special equipment for fire-fighting

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

Fire-fighting procedures

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Section 6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures : 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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

B. Environmental precautions

: Avoid dispersal of spilt 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). Water polluting material. May be harmful to the environment if released in large quantities.

C. Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the 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 noncombustible, 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 spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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Section 7. Handling and storage

A. Precautions for safe handling

- : Put on appropriate personal protective equipment (see Section 8). 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. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.
- B. Conditions for safe storage, including any incompatibilities
- Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

A. Occupational exposure limits

Ingredient name	Exposure limits
titanium dioxide	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	TWA: 10 mg/m³ 8 hours. Form: total dust
	with less than 1% of free SiO2
n-butyl acetate	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 200 ppm 15 minutes.
	TWA: 150 ppm 8 hours.
Xylene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). [Xylene]
	STEL: 150 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
1,2,4-trimethylbenzene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). [Trimethyl
	benzene]
	TWA: 25 ppm 8 hours.
ethylbenzene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
methyl alcohol	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). Absorbed
	through skin.
	STEL: 250 ppm 15 minutes.
	TWA: 200 ppm 8 hours.

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Section 8. Exposure controls/personal protection

Recommended monitoring procedures

- : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- B. Appropriate engineering : controls
 - : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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.
- C. Personal protective equipment

Respiratory protection

: 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. 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.

Eye protection Hand protection

- : Chemical splash goggles.
- : 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves

: butyl rubber

Body 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.

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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

A. Appearance

Physical state : Liquid.
Colour : White.

B. Odour : Aromatic.
C. Odour threshold : Not available.
D. pH : Not applicable.

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Product name PSX ONE 750 LIGHT TINT BASE

Section 9. Physical and chemical properties

E. Melting/freezing point : Not available.

F. Boiling point/boiling : >37.78°C (>100°F)

range

G. Flash point : Closed cup: 71°C (159.8°F)

H. Evaporation rate : Not available.I. Flammability (solid, gas) : Not available.

J. Lower and upper explosive (flammable)

K. Vapour pressure

limits

: Greatest known range: Lower: 0.9% Upper: 10.5% (4-chloro-α,α,α-trifluorotoluene)

	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
trimethoxy(methyl)silane	80.14	10.7				

L. Solubility(ies) : Media Result

cold water Not soluble

Solubility in water : Not available.

Vapour density : Not available.

Relative density : 1.31

Partition coefficient: n-

O. octanol/water

: Not applicable.

P. Auto-ignition temperature

Ingredient name	°C	°F	Method
trimethoxy(methyl)silane	238	460.4	ASTM E 659

O Decomposition

temperature

S.

: Not available.

: Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)

Flow time (ISO 2431) : Not available.

Molecular weight : Not applicable.

Section 10. Stability and reactivity

A. Chemical stability : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

B. Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products.

C. Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:

oxidising agents, strong alkalis, strong acids.

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Product name PSX ONE 750 LIGHT TINT BASE

Section 10. Stability and reactivity

D. Hazardous decomposition products

Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds Formaldehyde. carbonyl halides metal oxide/oxides

Section 11. Toxicological information

A. Information on likely routes : Not available.

of exposure

Potential acute health effects

Inhalation : No known significant effects or critical hazards.Ingestion : Corrosive to the digestive tract. Causes burns.

Skin contact: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Eye contact : Causes serious eye irritation.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : Adverse symptoms may include the following:

stomach pains

Skin contact: Adverse symptoms may include the following:

irritation redness dryness cracking

Eye contact: Adverse symptoms may include the following:

pain or irritation watering redness

B. Health hazards

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
tranium dioxide	LC50 Inhalation Dusts and	Rat	>6.82 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
4-chloro-α,α,α-trifluorotoluene	LC50 Inhalation Vapour	Rat	33080 mg/m ³	4 hours
	LD50 Dermal	Rabbit	>2.7 g/kg	-
	LD50 Oral	Rat	13 g/kg	-
n-butyl acetate	LC50 Inhalation Vapour	Rat	>21.1 mg/l	4 hours
•	LC50 Inhalation Vapour	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
Solvent naphtha (petroleum), light	LD50 Dermal	Rabbit	3.48 g/kg	-
aromatic				
	LD50 Oral	Rat	8400 mg/kg	-
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
trimethoxy(methyl)silane	LC50 Inhalation Vapour	Rat	>42.1 mg/l	4 hours
	LD50 Dermal	Rabbit	>9500 mg/kg	-
	LD50 Oral	Rat	11685 mg/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapour	Rat	18000 mg/m ³	4 hours
- -	LD50 Oral	Rat	5 g/kg	-

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Product code 00470985 Date of issue 7/13/2024 (month/day/year) Version 1.02 **Product name PSX ONE 750 LIGHT TINT BASE Section 11. Toxicological information** 3-aminopropyltriethoxysilane LC50 Inhalation Dusts and Rat >7.35 mg/l 4 hours mists LD50 Dermal Rabbit 4 g/kg LD50 Oral Rat 1.57 g/kg 4 hours LC50 Inhalation Vapour 30 mg/l 2-methoxy-1-methylethyl acetate Rat LD50 Dermal Rabbit >5 g/kg LD50 Oral 6190 mg/kg Rat 4 hours ethylbenzene LC50 Inhalation Vapour Rat 17.8 mg/l LD50 Dermal Rabbit 17.8 g/kg 3.5 g/kg LD50 Oral Rat LD50 Oral bis(1,2,2,6,6-pentamethyl-4-piperidyl) Rat 3.125 g/kg sebacate alkylamine LD50 Dermal Rabbit 615 mg/kg LD50 Oral 830 mg/kg Rat propylidynetrimethanol LD50 Dermal Rabbit 10 g/kg LD50 Oral 14000 mg/kg Rat LC50 Inhalation Vapour 64000 ppm 4 hours methyl alcohol Rat LD50 Dermal Rabbit 15800 mg/kg LD50 Oral Rat 5600 mg/kg

Conclusion/Summary: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
▼ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	

Conclusion/Summary

Skin : There are no data available on the mixture itself.
 Eyes : There are no data available on the mixture itself.
 Respiratory : There are no data available on the mixture itself.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
trimethoxy(methyl)silane 3-aminopropyltriethoxysilane			Sensitising Sensitising

Conclusion/Summary

Skin : There are no data available on the mixture itself.Respiratory : There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary: There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Reproductive toxicity

Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity

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Product name PSX ONE 750 LIGHT TINT BASE

Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Classification	Route of exposure	Target organs
4-chloro-α,α,α-trifluorotoluene	Category 3	-	Respiratory tract irritation
n-butyl acetate	Category 3	-	Narcotic effects
Solvent naphtha (petroleum), light aromatic	Category 3	-	Narcotic effects
Xylene	Category 3	-	Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
alkylamine	Category 3	-	Respiratory tract irritation
methyl alcohol	Category 1	-	-

Specific target organ toxicity (repeated exposure)

Name	Classification	Route of exposure	Target organs
Xylene	Category 1		central nervous system (CNS), kidneys, liver

Aspiration hazard

Name	Result	
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1	

Potential chronic health effects

General: May cause damage to organs through prolonged or repeated exposure. Prolonged or

repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity: Suspected of causing cancer. Risk of cancer depends on duration and level of

exposure.

Mutagenicity: No known significant effects or critical hazards.

Reproductive toxicity: No known significant effects or critical hazards.

Additional information

Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F. Avoid contact with skin and clothing.

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Section 11. Toxicological information

Chemical name	Identifiers	GHS Classification
iffanium dioxide 4-chloro-α,α,α-trifluorotoluene	CAS: 13463-67-7 CAS: 98-56-6	CARCINOGENICITY - Category 2 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
n-butyl acetate	CAS: 123-86-4	FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
Solvent naphtha (petroleum), light aromatic	CAS: 64742-95-6	FLAMMABLE LIQUIDS - Category 3
Xylene	CAS: 1330-20-7	SKIN IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 FLAMMABLE LIQUIDS - Category 3
Aylerie	CAS. 1330-20-7	ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
trimethoxy(methyl)silane	CAS: 1185-55-3	FLAMMABLE LIQUIDS - Category 2 SKIN SENSITISATION - Category 1B
1,2,4-trimethylbenzene	CAS: 95-63-6	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 LONG-TERM (CHRONIC) AQUATIC HAZARD -
3-aminopropyltriethoxysilane	CAS: 919-30-2	Category 2 FLAMMABLE LIQUIDS - Category 4 CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SKIN SENSITISATION - Category 1B
2-methoxy-1-methylethyl acetate	CAS: 108-65-6	FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
ethylbenzene	CAS: 100-41-4	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 ASPIRATION HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl)	CAS: 41556-26-7	SKIN SENSITISATION - Category 1B

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Section 11. Toxicological information

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sebacate		DEDDODLIGH /F TOYLOTY O A TOYLO
alkylamine	CAS: SUB140258	REPRODUCTIVE TOXICITY - Category 2 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 3 CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 3 SKIN CORROSION - Category 1A
propylidynetrimethanol methyl alcohol	CAS: 77-99-6 CAS: 67-56-1	SERIOUS EYE DAMAGE - Category 1 SKIN SENSITISATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 REPRODUCTIVE TOXICITY - Category 2 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

Section 12. Ecological information

A. **Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
n-butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
Solvent naphtha (petroleum), light aromatic	Acute LC50 8.2 mg/l	Fish	96 hours
trimethoxy(methyl)silane	Acute LC50 >110 mg/l	Fish	96 hours
3-aminopropyltriethoxysilane		Fish	96 hours
2-methoxy-1-methylethyl acetate	Acute LC50 134 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water	Daphnia Daphnia - <i>Ceriodaphnia dubia</i>	48 hours
alkylamine propylidynetrimethanol methyl alcohol	LC50 146.6 mg/l Acute LC50 >1000 mg/l Acute LC50 13 mg/l Fresh water	Fish Fish	96 hours 96 hours 96 hours

B. Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
	TEPA and OECD 301D	83 % - Readily - 28 days	-	-
2-methoxy-1-methylethyl acetate	-	83 % - Readily - 28 days	-	-
ethylbenzene	-	79 % - Readily - 10 days	-	-

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Product name PSX ONE 750 LIGHT TINT BASE

Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
p-butyl acetate	-	-	Readily
Xylene 2-methoxy-1-methylethyl	-	-	Readily Readily
acetate ethylbenzene			Readily
etryberizerie	-	_	Readily

C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
<mark>ӣ-</mark> butyl acetate	2.3	-	Low
Xylene	3.12	7.4 to 18.5	Low
1,2,4-trimethylbenzene	3.63	120.23	Low
3-aminopropyltriethoxysilane	1.7	3.4	Low
2-methoxy-1-methylethyl acetate	1.2	-	Low
ethylbenzene	3.6	79.43	Low
propylidynetrimethanol	-0.47	-	Low
methyl alcohol	-0.77	-	Low

D. Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

E. Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

A. Disposal methods

: The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

B. Disposal precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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Product name PSX ONE 750 LIGHT TINT BASE

Section 14. Transport information

	UN	IMDG	IATA
A. UN number	Not regulated.	Not regulated.	Not regulated.
B. UN proper shipping name	-	-	-
C. Transport hazard class(es)	-	-	-
D. Packing group	-	-	-
Environmental hazards	No.	No.	No.
E. Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

UN : None identified.IMDG : None identified.IATA : None identified.

F. Special precaution which a user to be aware of or needs to comply with in connection with transport or transportation

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable.

to IMO instruments

Section 15. Regulatory information

A. Regulation according to ISHA

ISHA article 117 (Harmful substances prohibited from manufacture) : None of the components are listed.

ISHA article 118 (Harmful substances requiring permission) : None of the components are listed.

Article 2 of Youth Protection Act on Substances Hazardous

: It is not allowed to sell to persons under the age of 19.

Act on Substances H

to Youth

Exposure Limits of Chemical Substances and Physical Factors

The following components have an OEL:

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Product name PSX ONE 750 LIGHT TINT BASE

Section 15. Regulatory information

titanium dioxide n-butyl acetate

Xylene

1,2,4-trimethylbenzene

ethylbenzene methyl alcohol

Annex 19 (Exposure standards established for harmful factors)

ISHA Enforcement Regs

Annex 21 (Harmful factors subject to Work

Environment Measurement)

ISHA Enforcement Regs: The following components are listed: Xylene

Annex 22 (Harmful **Factors Subject to Special Health Check**up)

Standard of Industrial

Safety and Health Annex 12 (Hazardous substances subject to control)

ISHA Enforcement Regs: The following components are listed: methanol

: The following components are listed: titanium dioxide, n-butyl acetate, xylene

: The following components are listed: titanium dioxide, n-butyl acetate, xylene

CCA Article 11 (TRI) : The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene

Article 18 Prohibited (K-

Reach Article 27)

Article 19 Subject to authorization (K-Reach

Article 25)

Article 20 Restricted (K-

Reach Article 27)

Article 20 Toxic

Article 20)

: Not applicable Chemicals (K-Reach

B. Regulation according to Chemicals Control Act

Korea inventory : At least one component is not listed. CCA Article 39 (Accident : None of the components are listed.

Precaution Chemicals) C. Dangerous Materials

Safety Management Act

: Class: Class 4 - Flammable Liquid

: None of the components are listed.

: None of the components are listed.

: None of the components are listed.

Item: 5. Class 3 petroleums - Water-insoluble liquid

Threshold: 2000 L Danger category: III

Signal word: Contact with sources of ignition prohibited

: Dispose of contents and container in accordance with all local, regional, national D. Wastes regulation

and international regulations.

E. Regulation according to other foreign laws

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Product name PSX ONE 750 LIGHT TINT BASE

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

: No known specific national and/or regional regulations applicable to this product (including its ingredients).

Section 16. Other information

: Korean Ministry of Environment; Chemical Control Act A. References

Korean Ministry of Labor; Industrial Safety and Health Act

NIER Notice

Registry of Toxic Effects of Chemical Substances (RTECS)

U.S. Environmental Protection Agency, AQUIRE (Aquatic toxicity Information

Retrieval) ECOTOX Database System.

B. First issue date 5/23/2023 C. Date of issue/Date of

revision

7/13/2024

D. Version : 1.02 **Prepared by** : EHS

E. Other

✓ 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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