SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006,(REACH).

SDS Reference : **300330L**

Version : 4.00 Revision Date : 02-Dec-16 Print Date : 20-Dec-16

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product code : 300:330: 'PU' High Opacity Brushing Finish

For colours containing lead chromate pigmentation.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Restricted to industrial and professional application only

Description of uses : REACH/16/3/1: Industrial application of paints on metal surfaces (such as machines vehicles, structures, signs, road furniture, coil coating, etc.)

REACH/16/3/2: Professional, non-consumer application of paints on metal surfaces (such as machines, vehicles, structures, signs, road furniture, etc.) or as road marking

REACH/16/3/7: Industrial application of paints on metal surfaces (such as machines vehicles, structures, signs, road furniture, coil coating, etc.)

REACH/16/3/8: Professional, non-consumer application of paints on metal surfaces (such as machines, vehicles, structures, signs, road furniture, etc.) or as road marking

1.3 Details of the supplier of the safety data sheet

Company : Pronto Industrial Paints Ltd

Stainsby Close
Holmewood Ind. Estate
Chesterfield
S42 5UG

Telephone : 01246 857777

Fax : 01246 857978

E-Mail : info@prontopaints.co.uk

1.4 Emergency telephone number

Mon-Fri (08:00-17:00) : 01246 857777

Out of office hours : 07971 494020

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008, (CLP)

Flammable Liquids, Category 3 : H226 Flammable liquid and vapour.

Skin Sensitisation, Category 1 : H317 May cause an allergic skin reaction.

Eye Irritation, Category 2 : H319 Causes serious eye irritation.

Respiratory Sensitisation, Category 1 : H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Specific Target Organ Toxicity, Single Exposure, Category 3 : H336 May cause drowsiness or dizziness.

Carcinogenicity, Category 1B : H350 May cause cancer.

Reproductive Toxicity, Category 1B	:	H360Df May damage the unborn child. Suspected of damaging fertility.
Specific Target Organ Toxicity, Repeated Exposure, Category 1	:	H372 Causes damage to organs through prolonged or repeated exposure.
Chronic Aquatic Toxicity, Category 2	:	H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008, (CLP)

Hazard pictograms :



Signal word	:	Danger
Hazard statements	:	H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H336 May cause drowsiness or dizziness. H350 May cause cancer. H360Df May damage the unborn child. Suspected of damaging fertility. H372 Causes damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust, fume, gas, mist, vapours or spray. P280 Wear protective gloves, protective clothing, eye protection and face protection. P308+P313 IF exposed or concerned: Get medical advice or attention. P370+P378 In case of fire: Use alcohol-resistant foam to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.
Supplemental hazard information	:	EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains phthalic anhydride, cobalt bis(2-ethylhexanoate), 2-butanone oxime. May produce an allergic reaction.

EUH201 Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Description of the mixture : Mixture of resins, solvents,pigments and additives.

Hazardous components

Chemical name	EC Number	CAS Number	REACH Registration Number	% [weight]	Classification [Regulation (EC) No. 1272/2008]
naphtha (petroleum), hydrotreated heavy (D40)	265-150-3	64742-48-9	01-2119463258-33	10%-25%	H226, H304, H336
Low Aromatic White Spirit	919-857-5	64742-48-9	01-2119463258-33	2.5%-10%	H226, H304, H336
White Spirit	919-446-0		01-2119458049-33	2.5%-10%	H226, H304, H336, H372, H411
xylene	215-535-7	1330-20-7	01-2119488216-32	2.5%-10%	H226, H312, H315, H332
1-methoxy-2-propanol	203-539-1	107-98-2	01-2119457435-35	1.0%-2.5%	H226, H336
ethylbenzene	202-849-4	100-41-4	01-2119489370-35	<1.2%	H225, H304, H332, H373
2-ethylhexanoic acid, zirconium salt	245-018-1	22464-99-9	01-2119979088-21	0.1%-1.0%	H315
cobalt bis(2-ethylhexanoate)	205-250-6	136-52-7	01-2009524678-29	0.1%-1.0%	H317, H319, H361f, H400, H412
2-butanone oxime	202-496-6	96-29-7	01-2119539477-28	0.1%-1.0%	H317, H318, H351
2-methoxy-1-methylethyl acetate	203-603-9	108-65-6	01-2119475791-29	0.1%-1.0%	H226
n-butyl acetate	204-658-1	123-86-4	01-2119485493-29	0.1%-1.0%	H226, H336
phthalic anhydride	201-607-5	85-44-9	01-2119457017-41	0.1%-1.0%	H302, H315, H317, H318, H334, H335

lead sulfochromate	215-693-7 235-759-9	1344-37-2 12656-85-8		0.5%-20.0%	H317, H334, H350, H360Df, H373, H400, H410

Additional information :

For the full text of the Hazard Statements mentioned in this Section, see Section 16.

Section 4: First aid measures

4.1 Description of first aid measures

General notes : In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

If unconscious place in recovery position and seek medical advice.

If inhaled : Remove to fresh air, keep patient warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : Remove contaminated clothing.

Wash skin thoroughly with soap and water or use recognised skin cleanser.

Do NOT use solvents or thinners.

In case of 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.

If swallowed : If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Keep at rest.

Do NOT induce vomiting.

Self-protection of the first aider : None.

4.2 Most important symptoms and effects, both acute and delayed

: None.

4.3 Indication of any immediate medical attention and special treatment needed

: None.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol resistant foam, CO2, powders and water spray/mist.

Unsuitable extinguishing media : Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	:	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.
5.3 Advice for firefighters	:	Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

: Exclude sources of ignition and ventilate the area.

Avoid breathing vapours.

Refer to protective measures listed in Sections 7 and 8.

6.2 Environmental precautions : Do not allow to enter drains or watercourses.

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

: Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other Sections : None.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear anti-static footwear and clothing and floors should be of the conducting type.

Isolate from sources of heat, sparks and open flame.

No sparking tools should be used.

Avoid skin and eye contact.

Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture.

Avoid inhalation of dust from sanding.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.

Notes on joint storage : Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Additional information on storage conditions : Observe label precautions.

Store between 5ºC and 25ºC in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep container tightly closed.

Keep away from sources of ignition.

No smoking.

Prevent unauthorised access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

The principles contained in the HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product.

7.3 Specific end use(s) : None.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Limits for occupational exposure and/or biological limit values.

Chemical name	Physical state	LTEL - 8hr TWA		STEL - 15min		Notes
		ppm	mg/m³	ppm	mg/m³	
naphtha (petroleum), hydrotreated heavy (D40)			350			
Low Aromatic White Spirit			1200	150		
White Spirit			350			
xylene		50	220	100	441	Sk, BMGV
1-methoxy-2-propanol		100	375	150	560	Sk
ethylbenzene		100	441	125	552	Sk
2-ethylhexanoic acid, zirconium salt	as Zr		5		10	NAOSH(Ire)
cobalt bis(2-ethylhexanoate)	as Co		0.1			Sen
2-butanone oxime		3	10	10	33	NAOSH(Ire)
2-methoxy-1-methylethyl acetate		50	274	100	548	Sk
n-butyl acetate		150	724	200	966	
phthalic anhydride			4		12	Sen
lead sulfochromate			0.15			(WEL)

LTEL - Long Term Exposure Limit, STEL - Short Term Exposure Limit, TWA - Time-Weighted Average.
ppm - parts per million by volume, mg/m³ - milligrams per cubic metre.
BMGV - Biological Monitoring Guidance Values are given in Table 2 of EH40/2005 Workplace exposure limits.
Carc - Capable of causing cancer and/or heritable genetic damage.
Sen - Capable of causing occupational asthma.
Sk - Can be absorbed through the skin. Dermal absorption may lead to systemic toxicity.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

General advice : Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particules and solvent vapour below the OEL, suitable respiratory protection must be worn.

8.2.2 Personal protection equipment

Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Hand protection	:	There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. For prolonged or repeated handling, use Polyvinyl Alcohol (PVA) or Viton Rubber (FluorRubber). The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occured.
Eye protection	:	Use safety eyewear designed to protect against splash of liquids.
Skin protection	:	Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

8.2.3 Environmental exposure controls

General advice	:	Do not allow to enter drains or watercouses.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance - Physical state	:	Viscous liquid.
- Colour	:	Various.
Odour	:	Characteristic. Pungent.
Odour threshold - Lower	:	Not determined.
- Higher	:	Not determined.
pH	:	Not determined.
Melting point/freezing point (°C)	:	Not determined.
Initial boiling point and boiling range (°C)	:	150-200 760 mmHg
Flash point (°C)	:	36
Evaporation rate	:	65 (EtEt=1)
Flammability/explosive limits - Lower (%)	:	0.7

- Higher (%)	:	7
Vapour pressure	:	<5 hPa 20.0
Vapour density (air=1)	:	Heavier than air.
Relative density (g/ml)	:	0.92-1.20
Solubility(ies)	:	Miscible with organic solvents.
Partition coefficient	:	Not determined.
Auto-ignition temperature (°C)	:	>230
Decomposition temperature (°C)	:	Not determined.
Viscosity	:	~5.0 poise.
Explosive properties	:	May form explosive mixtures with air.
Oxidising properties	:	Not determined.

9.2 Other information

None.

Section 10: Stability and reactivity

10.1 Reactivity	:	No data available.
10.2 Chemical stability	:	Stable under recommended storage and handling conditions. (See Section 7).
10.3 Possibility of hazardous reactions	:	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
10.4 Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	:	No data available.
10.6 Hazardous decomposition products	:	Carbon monoxide and dioxide, smoke, oxides of nitrogen.

Section 11: Toxicological information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Classification, Labelling and Packaging of Substances and Mixtures Regulation (EC) No. 1272/2008, (CLP) and classified for toxicological hazards accordingly.

See Sections 2 and 3 for details.

11.1 Information on toxicological effects

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Section 12: Ecological information

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

12.1 Toxicity : No data available.

12.2 Persistence and degradability : No data available.

12.3 Bioaccumulative potential : No data available.

12.4 Mobility in soil : No data available.

12.5 Results of PBT and vPvB assessment : No data available.

12.6 Other adverse effects : No data available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Do not allow to enter drains or watercourses.

The European List of Waste classification of this product, when disposed of as waste, is

Waste Code:	**Name of Waste (according to Commission Decision 2000/532/EC):**
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

Section 14: Transport information

14.1 UN number

ADR/RID/ADN : 1263

IMDG : 1263

ICAO : 1263

14.2 UN proper shipping name : PAINT

14.3 Transport hazard class(es)

ADR/RID/ADN Class : 3

ADR/RID/ADN Class : Class 3: Flammable liquids.

ADR Label number : 3

IMDG Class : 3

ICAO Class/Division : 3

Transport labels :



14.4 Packing group

ADR/RID/ADN : III

IMDG : III

ICAO : III

14.5 Environmental hazards : Environmentally Hazardous Substance/Marine Pollutant.

14.6 Special precautions for user

ADR Tunnel Restriction Code : (D/E)

IMDG EmS : F-E, S-E

IMDG Stowage Category : A

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 acident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: Not applicable.

Section 15: Regulatory information

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

The information in this Safety Data Sheet is required pursuant to :

- Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No. 1907/2006, (REACH).
- Classification, Labelling and Packaging of substances and mixtures, Regulation (EC) No. 1272/2008, (CLP).
- The Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR).
- The Control of Substances Hazardous to Health Regulations, 2002, (COSHH).
- The Health and Safety at Work etc Act, 1974, (HSWA).

Approved Codes of Practice and Guidance notes relevant to this Safety Data Sheet :

- The European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 2.1.
- CEPE Guideline for Safety Data Sheets, 9th Edition.
- HSE Approved Code of Practice and Guidance, Dangerous Substances and Explosive Atmospheres.
- HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances.
- HSE publication, EH40/2005 Workplace exposure limits.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Section 16: Other information

Full text of Hazard Statements referred to in Section 3.

H225 : Highly flammable liquid and vapour.

H226 : Flammable liquid and vapour.

H302 : Harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H312 : Harmful in contact with skin.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 : May cause respiratory irritation.

H336 : May cause drowsiness or dizziness.

H351 : Suspected of causing cancer.

H361f : Suspected of damaging fertility.

H372 : Causes damage to organs through prolonged or repeated exposure.

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

H400 : Very toxic to aquatic life.

H411 : Toxic to aquatic life with long lasting effects.

H412 : Harmful to aquatic life with long lasting effects.

H350 : May cause cancer.

H360Df : May damage the unborn child. Suspected of damaging fertility.

H410 : Very toxic to aquatic life with long lasting effects.

Revision history

Date	Version	Amendments
02/12/16	4.00	Changes to Sections 1.1, 2.1, 2.2, 3.2, 8.1, 16
24/06/16	3.11	Changes to Section 3.2, 16
23/05/16	3.10	Changes to Sections 2.1, 2.2, 3.2, 8.1, 16

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown on the Technical Data Sheet without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.