Restoration Shop[®] Quality Automotive Paint Products

SAFETY DATA SHEET

Date of issue/Date of revision 12/1/16 Version 1

Section 1. Identification		
Product name	: URETHANE BASECOAT	
Product code	: UB SERIES	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses of the	e substance or mixture and uses advised against	
Product use	: Industrial applications.	
Use of the substance/ mixture	: Coating. Paints. Painting-related materials.	
Uses advised against	: Not applicable.	
Supplier	: Restoration Shop 6695 Rasha St. San Diego, CA 92121	
Emergency telephone number	: CHEMTREC (800) 424-9300	
Telephone Number	: Customer Service (858) 909-2110	

Section 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).Classification of the substance or mixture: FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (Unborn child) - Category 1B TOXIC TO REPRODUCTION (Fertility) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), hearing organs, kidneys and liver) - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 100%		
substance or mixtureSKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (Unborn child) - Category 1B TOXIC TO REPRODUCTION (Fertility) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), hearing organs, kidneys and liver) - Category 1	OSHA/HCS status	·
		 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (Unborn child) - Category 1B TOXIC TO REPRODUCTION (Fertility) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), hearing organs, kidneys and liver) - Category 1

GHS label elements

Product code Date of issue Version **UB SERIES** 12/1/16 1 Product name URETHANE BASECOAT Section 2. Hazards identification Hazard pictograms Signal word : Danger Hazard statements : Highly flammable liquid and vapor. Causes serious eye damage. Causes skin irritation. May damage the unborn child. Suspected of damaging fertility. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness and dizziness. Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS), hearing organs, kidneys, liver) Precautionary statements Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Response : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. : Store locked up. Store in a well-ventilated place. Keep cool. Storage Dispose of contents and container in accordance with all local, regional, national and Disposal : international regulations. Supplemental label : Add this product only to water. Never add water to this product. Sanding and grinding elements dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or formaldehyde is released during curing. Formaldehyde death. 1-component mixtures: may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. Hazards not otherwise : Prolonged or repeated contact may dry skin and cause irritation. classified

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Section 3. Composition/information on ingredients

Substance/mixture

Product name

: Mixture

: URETHANE BASECOAT

Ingredient name	%	CAS number
n-butyl acetate	≥90	123-86-4
titanium dioxide	≥50 - <75	13463-67-7
2-methoxy-1-methylethyl acetate	≥25 - <50	108-65-6
xylene	≥25 - <50	1330-20-7
diiron trioxide	≥25 - <50	1309-37-1
putanone	≥25 - <50	78-93-3
1-methylpentan-2-one	≥5 - <25	108-10-1
putan-1-ol	≥5 - <25	71-36-3
aluminium oxide	≥0.1 - <25	1344-28-1
glass, oxide, chemicals	≥0.1 - <25	65997-17-3
Amorphous Silicate	≥0.1 - <25	Not available.
Mica-group minerals	≥0.1 - <25	12001-26-2
neptan-2-one	≥1 - <25	110-43-0
coluene	≥2 - <25	108-88-3
Aluminium powder (stabilized)	≥2 <25 ≥0.1 - <25	7429-90-5
zirconium dioxide	≥0.1 - <25	1314-23-4
Solvent naphtha (petroleum), light aromatic	≥2 - <25	64742-95-6
Naphtha (petroleum), heavy alkylate	≥2 - <25 ≥0.1 - <25	64741-65-7
Naphtha (petroleum), hydrotreated heavy	≥2 - <25	64742-48-9
Ligroine	≥2 - <23 ≥1 - <12	8032-32-4
ethylbenzene	≥1 - <12	100-41-4
Natural graphite	≥0.1 - <25	7782-42-5
1-[[(2-hydroxyphenyl)imino]methyl]-2-naphtholato(2-)-N,O,O']copper	≥0.1 - <25 ≥1 - <9	15680-42-9
carbon black, respirable powder	≥0.1 - <25	1333-86-4
2-ethoxy-1-methylethyl acetate	≥1 - <15	54839-24-6
Stoddard solvent	≥1 - <25	8052-41-3
in dioxide	≥0.1 - <25	18282-10-5
proprietary substituted quinacridone	≥0.1 - <25	Not available.
parium sulfate	≥0.1 - <25	7727-43-7
aluminium hydroxide	≥0.1 - <25	21645-51-2
Solvent naphtha (petroleum), light aliph.	≥1 - <8	64742-89-8
2-methylpropan-1-ol	≥1 - <7	78-83-1
I,2,4-trimethylbenzene	≥1 - <3	95-63-6
ammonium iron(3+) hexakis(cyano-C)ferrate(4-)	≥0.1 - <25	25869-00-5
2-butoxyethyl acetate	≥1 - <2	112-07-2
Resin acids and Rosin acids, calcium salts	≥0.1 - <25	9007-13-0
Zinc Salt	≥1 - <4	Not available.
zirconium bis(hydrogen phosphate)	≥0.1 - <25	13772-29-7
calcium molybdate	≥1 - <3	7789-82-4
Naphthenic acids	≥0.1 - <1	1338-24-5
penzyl butyl phthalate	≥0.1 - <1	85-68-7
acrylic acid, monoester with propane-1,2-diol	≥0.1 - <1	25584-83-2
styrene	≥0.1 - <1	100-42-5
methyl methacrylate	≥0.1 - <1	80-62-6
pis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	≥0.1 - <1	41556-26-7
2-ethylhexyl acrylate	≥0.1 - <1	103-11-7
	≥0.1 - <1	70657-70-4

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Section 3. Cor	nposition/information of	on ingredients			
isobutyl methacrylate rosin		≥0.1 - < ≥0.1 - <		97-86-9 8050-09-7	

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person. Description of necessary first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
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.
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.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects		
Eye contact	:	Causes serious eye damage.
Inhalation	:	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation.
Skin contact	:	Causes skin irritation. Defatting to the skin.
Ingestion	:	Can cause central nervous system (CNS) depression.
Over-exposure signs/symptoms	<u>i</u>	
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths

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Section 4. First aid measures

	skeletal malformations
Skin contact	Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate medical at	tention and special treatment needed, if necessary

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. If it is

of first-aiders
 No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO_2 , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. 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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Section 5. Fire-fighting measures

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides
Special protective actions for fire-fighters	: 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.
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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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).
Methods and materials for con	tainment 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 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.

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Section 6. Accidental release measures

Section 7. Handling and storage

Precautions for safe handling	
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. 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 vapor or mist. Do not ingest. 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. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Special precautions	: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. Add this product only to water. Never add water to this product. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
Advice on general occupational hygiene	: 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Do not store above the following temperature: 35°C (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 oxidizing 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
n-butyl acetate	ACGIH TLV (United States, 4/2014).
	STEL: 200 ppm 15 minutes.
	TWA: 150 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 710 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours.
titanium dioxide	OSHA PEL (United States, 2/2013).
	TWA: 15 mg/m ³ 8 hours. Form: Total dust
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ection 8. Exposure controls/persona	
	ACGIH TLV (United States, 4/2014).
	TWA: 10 mg/m ³ 8 hours.
2-methoxy-1-methylethyl acetate	IPEL (PPG, 4/2009).
	TWA: 50 ppm
kylene	ACGIH TLV (United States, 4/2014).
,	STEL: 651 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 434 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: $435 \text{ mg/m}^3 8 \text{ hours.}$
	TWA: 100 ppm 8 hours.
liiron trioxide	ACGIH TLV (United States, 4/2014).
	TWA: 5 mg/m ³ 8 hours. Form: Respirable
	fraction
	OSHA PEL (United States, 2/2013).
	TWA: 10 mg/m ³ 8 hours.
outanone	ACGIH TLV (United States, 4/2014).
Jutanone	STEL: 885 mg/m ³ 15 minutes.
	STEL: 300 ppm 15 minutes.
	TWA: 590 mg/m ³ 8 hours.
	TWA: 200 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 590 mg/m ³ 8 hours.
	TWA: 200 ppm 8 hours.
I mathulaantan 2 ana	ACGIH TLV (United States, 4/2014).
l-methylpentan-2-one	
	STEL: 75 ppm 15 minutes.
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 410 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
butan-1-ol	ACGIH TLV (United States, 4/2014).
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 300 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
ıluminium oxide	ACGIH TLV (United States).
	TWA: 3 mg/m ³ Form: Respirable
	ACGIH TLV (United States, 4/2014).
	TWA: 1 mg/m ³ 8 hours. Form: Respirable
	fraction
	OSHA PEL (United States, 2/2013).
	TWA: 5 mg/m ³ 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m ³ 8 hours. Form: Total dust
	ACGIH TLV (United States, 1/2007).
	TWA: 10 mg/m ³ 8 hours.
glass, oxide, chemicals	ACGIH TLV (United States).
	TWA: 1 f/cc Form: Continuous filament glass
	fibers
	TWA: 5 mg/m ³ , (Inhalable) Form:
	Continuous filament glass fibers

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Naphtha (petroleum), hydrotreated heavy	None.
igroine	None.
thylbenzene	ACGIH TLV (United States, 4/2014).
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 435 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
latural graphite	OSHA PEL (United States).
	TWA: 5 mg/m ³ Form: Respirable
	TWA: 10 mg/m ³
	ACGIH TLV (United States, 4/2014).
	TWA: 2 mg/m ³ 8 hours. Form: Respirable
	fraction
	OSHA PEL Z3 (United States, 2/2013).
	TWA: 15 mppcf 8 hours.
1-[[(2-hydroxyphenyl)imino]methyl]-2-naphtholato(2-)-N,O,O']copper	None.
arbon black, respirable powder	ACGIH TLV (United States, 4/2014).
	TWA: 3 mg/m ³ 8 hours. Form: Inhalable
	fraction
	OSHA PEL (United States, 2/2013).
	TWA: 3.5 mg/m ³ 8 hours.
2-ethoxy-1-methylethyl acetate	None.
toddard solvent	ACGIH TLV (United States, 4/2014).
	TWA: 525 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 2900 mg/m ³ 8 hours.
· · · · ·	TWA: 500 ppm 8 hours.
in dioxide	ACGIH TLV (United States, 4/2014).
	TWA: 2 mg/m ³ , (as Sn) 8 hours.
	OSHA PEL (United States).
	TWA: 2 mg/m ³ Form: Total dust TWA: 2 mg/m ³
proprietary substituted quinacridone	ACGIH TLV (United States).
sophetary substituted quinactione	TWA: 10 mg/m ³ , (Dusts and mists) Form:
	Inhalable fraction
	TWA: 3 mg/m ³ , (Dusts and mists) Form:
	Respirable fraction
parium sulfate	ACGIH TLV (United States, 4/2014).
	TWA: 5 mg/m ³ 8 hours. Form: Inhalable
	fraction
	OSHA PEL (United States, 2/2013).
	TWA: 5 mg/m ³ 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m ³ 8 hours. Form: Total dust
luminium hydroxide	ACGIH TLV (United States, 4/2014).
	TWA: 1 mg/m ³ 8 hours. Form: Respirable
	fraction
	ACGIH TLV (United States).
	TWA: 1 mg/m ³
olvent naphtha (petroleum), light aliph.	None.
P-methylpropan-1-ol	ACGIH TLV (United States, 4/2014).

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ection 8. Exposure controls/personal pro	
	TWA: 152 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 300 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
,2,4-trimethylbenzene	ACGIH TLV (United States, 4/2014).
	TWA: 123 mg/m ³ 8 hours.
	TWA: 25 ppm 8 hours.
mmonium iron(3+) hexakis(cyano-C)ferrate(4-)	ACGIH TLV (United States, 4/2014).
	TWA: 1 mg/m ³ , (as Fe) 8 hours.
	C: 5 mg/m ³
	OSHA PEL (United States, 2/2013).
	Absorbed through skin.
	TWA: 5 mg/m ³ , (as CN) 8 hours.
-butoxyethyl acetate	ACGIH TLV (United States, 4/2014).
	TWA: 20 ppm 8 hours.
esin acids and Rosin acids, calcium salts	None.
/inc Salt	None.
irconium bis(hydrogen phosphate)	ACGIH TLV (United States, 4/2014).
	TWA: 5 mg/m ³ , (as Zr) 8 hours.
	STEL: 10 mg/m ³ , (as Zr) 15 minutes.
	OSHA PEL (United States, 2/2013).
	TWA: 5 mg/m ³ , (as Zr) 8 hours.
alcium molybdate	ACGIH TLV (United States, 4/2014).
, ,	TWA: 10 mg/m ³ , (as Mo) 8 hours. Form:
	Inhalable fraction
	TWA: 3 mg/m ³ , (as Mo) 8 hours. Form:
	Respirable fraction
	ACGIH TLV (United States).
	TWA: 3 mg/m ³ Form: Respirable
	TWA: 10 mg/m ³ Form: Total dust
	OSHA PEL (United States).
	TWA: 10 mg/m ³
	OSHA PEL (United States, 2/2013).
	TWA: 15 mg/m ³ , (as Mo) 8 hours. Form:
	Total dust
laphthenic acids	None.
benzyl butyl phthalate	None.
crylic acid, monoester with propane-1,2-diol	None.
tyrene	ACGIH TLV (United States, 4/2014).
	Absorbed through skin.
	STEL: 170 mg/m ³ 15 minutes.
	STEL: 40 ppm 15 minutes.
	TWA: 85 mg/m ³ 8 hours.
	TWA: 20 ppm 8 hours.
	OSHA PEL Z2 (United States, 2/2013).
	AMP: 600 ppm 5 minutes.
	CEIL: 200 ppm
	TWA: 100 ppm 8 hours.
nethyl methacrylate	ACGIH TLV (United States, 4/2014). Skin
, ,	sensitizer.
	STEL: 100 ppm 15 minutes.

Product code UB SERIE Product name URETHA	ES NE BASECOAT	Date of issue 12/1/16 Version 1
		on
Section 8. Exposure controls/personal prot bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 2-ethylhexyl acrylate 2-methoxypropyl acetate isobutyl methacrylate rosin		TWA: 50 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 410 mg/m ³ 8 hours. TWA: 100 ppm 8 hours. None. None. None. IPEL (PPG). TWA: 50 ppm STEL: 75 ppm None.
	Key to abbreviations	
C = Ceiling Limit F = Fume IPEL = Internal Permissible Expos OSHA = Occupational Safety and H R = Respirable Z = OSHA 29CFR 1910.1200 Su	overnmental Industrial Hygienists. ure Limit lealth Administration. ıbpart Z - Toxic and Hazardous Substances	S=Potential skin absorptionSR=Respiratory sensitizationSS=Skin sensitizationSTEL=Short term Exposure limit valuesTD=Total dustTLV=Threshold Limit ValueTWA=Time Weighted Average
Consult local authorities for accept Recommended monitoring procedures	: If this product contains ingredients w atmosphere or biological monitoring the ventilation or other control measu protective equipment. Reference sho	may be required to determine the effectiveness of ures and/or the necessity to use respiratory uld be made to appropriate monitoring standards. nents for methods for the determination of
Appropriate engineering controls	other engineering controls to keep w recommended or statutory limits. Th	lse process enclosures, local exhaust ventilation or orker exposure to airborne contaminants below any e engineering controls also need to keep gas, ny lower explosive limits. Use explosion-proof
Environmental exposure controls	: Emissions from ventilation or work pr they comply with the requirements of	ocess equipment should be checked to ensure f environmental protection legislation. In some eering modifications to the process equipment to acceptable levels.
Individual protection measures		
Hygiene measures Eye/face protection Skin protection	eating, smoking and using the lavator Appropriate techniques should be use	

Product name URETHANE BASECOAT

Section 8. Exposure controls/personal protection

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. 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.
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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.

Section 9. Physical and chemical properties

Appearance	
Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not available.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: -1.11°C (30°F)
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.99
Density (lbs / gal)	: 8.26
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not available.

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Section 9. Physical and chemical properties

Viscosity

: Kinematic (40°C (104°F)): >0.21 cm ²/s (>21 cSt)

Volatility : 80% (v/v), 71% (w/w)

% Solid. (w/w) : 28.59

Physical property values shown in this section are calculated averages. For specific product information, contact your PPG Sales Representative.

Section 10. Stability	and reactivity
Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
-	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
titanium dioxide	LD50 Oral	Rat	>10 g/kg	-
2-methoxy-1-methylethyl	LD50 Dermal	Rabbit	>5 g/kg	-
acetate				
	LD50 Oral	Rat	8532 mg/kg	-
xylene	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
	LC50 Inhalation Vapor	Rat	5000 ppm	4 hours
	LD50 Dermal	Rabbit	>1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
diiron trioxide	LD50 Oral	Rat	10 g/kg	-
butanone	LC50 Inhalation Vapor	Rat	11243 ppm	4 hours
	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 Oral	Rat	2737 mg/kg	-
4-methylpentan-2-one	LC50 Inhalation Vapor	Rat	32772 mg/m ³	4 hours
	LD50 Oral	Rat	2.08 g/kg	-
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Section 11. Toxicological information

butan-1-ol	LC50 Inhalation Vapor	Rat	24000 mg/m ³	4 hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-
heptan-2-one	LD50 Dermal	Rabbit	10.206 g/kg	-
	LD50 Oral	Rat	1.6 g/kg	-
toluene	LC50 Inhalation Vapor	Rat	49 g/m^3	4 hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	636 mg/kg	_
Solvent naphtha (petroleum),	LD50 Dermal	Rabbit	3.48 g/kg	
light aromatic	ED50 Definal	Nabbit	5.40 g/ kg	
ngintaronnatic	LD50 Oral	Rat	8400 mg/kg	
Nanhtha (natroloum)		Rat	8500 mg/m ³	- 4 hours
Naphtha (petroleum),	LC50 Inhalation Vapor	Ral	8500 mg/m	4 nours
hydrotreated heavy		Dut		
	LD50 Oral	Rat	>6 g/kg	-
Ligroine	LC50 Inhalation Gas.	Rat	3400 ppm	4 hours
ethylbenzene	LC50 Inhalation Vapor	Rat	4000 ppm	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
[1-[[(2-hydroxyphenyl)imino]	LC50 Inhalation Dusts and mists	Rat	>1000 mg/m ³	4 hours
methyl]-2-naphtholato(2-)-N,			-	
O,O']copper				
carbon black, respirable	LD50 Dermal	Rabbit	>3 g/kg	-
powder			5 5	
	LD50 Oral	Rat	>15400 mg/kg	-
2-ethoxy-1-methylethyl	LC50 Inhalation Vapor	Rat	6990 mg/m ³	4 hours
acetate				
accute	LD50 Oral	Rat	4.705 g/kg	_
Stoddard solvent	LD50 Oral	Rat	>5 g/kg	_
tin dioxide	LD50 Oral	Rat		
			>20 g/kg	
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	6500 mg/m^3	4 hours
	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Oral	Rat	2460 mg/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m ³	4 hours
	LD50 Oral	Rat	5 g/kg	-
2-butoxyethyl acetate	LD50 Dermal	Rabbit	1.48 g/kg	-
	LD50 Oral	Rat	1.6 g/kg	-
Zinc Salt	LD50 Oral	Rat	>0.552 g/kg	-
calcium molybdate	LD50 Oral	Rat	0.101 g/kg	-
Naphthenic acids	LD50 Oral	Rat	3 g/kg	-
benzyl butyl phthalate	LC50 Inhalation Vapor	Rat	$>6700 \text{ mg/m}^3$	4 hours
	LD50 Dermal	Rabbit	>10 g/kg	-
	LD50 Dermal	Rat	6700 mg/kg	_
	LD50 Oral	Rat	2.33 g/kg	
acritic acid monoactor with				
acrylic acid, monoester with	LD50 Dermal	Rabbit	0.17 g/kg	-
propane-1,2-diol			0770	
styrene	LC50 Inhalation Gas.	Rat	2770 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11800 mg/m ³	4 hours
	LC50 Inhalation Vapor	Rat	2700 ppm	4 hours
		Rat	1 g/kg	-
	LD50 Oral			
methyl methacrylate	LC50 Inhalation Vapor	Rat	78000 mg/m ³	4 hours

Product code

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gical info	rmation	า			
LD50 Derm	nal		Rabbit	>5 g/kg	-
LD50 Oral			Rat	7872 mg/kg	-
LD50 Oral			Rat	3.125 g/kg	-
	nal				-
					-
					4 hours
	nal				-
					-
					-
				5 5	
: There are	e no data ava	ailable on the	mixture itself.		
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: There are	e no data ava	ailable on the	mixture itself.		
OSHA	IARC	NTP			
-	2B	-			
-	3	-			
-		-			
-		-			
-		-			
-		-			
-		-			
-	ZD	-			
_	3	_			
-		Reasonably	anticipated to	be a human carcinoge	en.
-		-			
	3	_			
	LD50 Derm LD50 Oral LD50 Oral LD50 Oral LD50 Oral LC50 Inhal LD50 Oral LD50 Oral LD50 Oral LD50 Oral LD50 Oral LD50 Oral CThere are There are There are There are There are There are There are There are There are There are OSHA	LD50 Dermal LD50 Oral LD50 Oral LD50 Oral LD50 Oral LD50 Oral LC50 Inhalation Vapor LD50 Oral LD50 Oral LD50 Oral LD50 Oral LD50 Oral Costa ava There are no data ava DSHA IARC - 2B - 3 - 3 - 2B - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	LD50 Dermal LD50 Oral LD50 Oral LD50 Oral LD50 Dermal LD50 Oral LC50 Inhalation Vapor LD50 Dermal LD50 Oral LD50 Oral LD50 Oral LD50 Oral LD50 Oral Constant available on the There are no data available on the DSHA IARC NTP OSHA IARC NTP OSHA IARC NTP OSHA IARC NTP - 2B - 3 - 2B - 2B - 2B - 2B - 3 - 2B - 2B - 2B - 2B - 2B - 2B - 2B - 3 - 2B - 2B - 3 - 2B - 2B - 3 - 3 - 2B - 3 - 3 - 2B - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	LD50 Dermal Rabbit LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Dermal Rat LD50 Oral Rat LD50 Dermal Rat LD50 Oral Rat There are no data available on the mixture itself. There are no data available on the mixture itself. There are no data available on the mixture itself. There are no data available on the mixture itself. There are no data available on the mixture itself. There are no data available on the mixture itself. There are no data available on the mixture itself. OSHA IARC NTP	LD50 Oral Rat 7872 mg/kg LD50 Dermal Rat 3.125 g/kg LD50 Dermal Rat 5.7 g/kg LD50 Oral Rat 5.320 ppm LD50 Dermal Rat >5320 ppm LD50 Oral Rat >5320 ppm LD50 Dermal Rabbit >2000 mg/kg LD50 Oral Rat 8532 mg/kg LD50 Oral Rat 8532 mg/kg LD50 Oral Rat 6.4 g/kg LD50 Oral Rat 7600 mg/kg : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself. : : There are no data available on the mixture itself.

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

<u>Reproductive toxicity</u>

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Section 11. Toxicological information

Conclusion/Summary

: There are no data available on the mixture itself.

Teratogenicity

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

Specific target organ toxicity (single exposure)

Name	Category
n-butyl acetate	Category 3
xylene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
butan-1-ol	Category 3
toluene	Category 3
Solvent naphtha (petroleum), light aromatic	Category 3
Naphtha (petroleum), hydrotreated heavy	Category 3
2-ethoxy-1-methylethyl acetate	Category 3
Solvent naphtha (petroleum), light aliph.	Category 3
2-methylpropan-1-ol	Category 3
1,2,4-trimethylbenzene	Category 3
methyl methacrylate	Category 3
2-ethylhexyl acrylate	Category 3
2-methoxypropyl acetate	Category 3
isobutyl methacrylate	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
xylene	Category 2
toluene	Category 2
ethylbenzene	Category 2
Stoddard solvent	Category 1
2-butoxyethyl acetate	Category 2
calcium molybdate	Category 2
styrene	Category 1

system (CNS), eye, lens or cornea. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, spleen, lymphatic system, peripheral nervous system, gastrointestinal tract, cardiovascular system, upper respiratory tract, skin, bone marrow, ears, testes, thyroid.

Aspiration hazard

Name	Result
xylene	ASPIRATION HAZARD - Category 1
toluene	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), heavy alkylate	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1
Ligroine	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
2-ethoxy-1-methylethyl acetate	ASPIRATION HAZARD - Category 1
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Section 11. Toxicological information

Stoddard solvent

Solvent naphtha (petroleum), light aliph.

ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

information on the likely foutes	ore	Aposule
Potential acute health effects		
Eye contact	:	Causes serious eye damage.
Inhalation	:	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation.
Skin contact	:	Causes skin irritation. Defatting to the skin.
Ingestion	:	Can cause central nervous system (CNS) depression.
Over-exposure signs/symptom	<u>15</u>	
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
	and	also chronic effects from short and long term exposure
Conclusion/Summary	:	There are no data available on the mixture itself. 1-component mixtures: formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Exposure to component solvent vapor concentrations 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 the kidneys, 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. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise
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Section 11. Toxicological information

		may cause nausea, diarrhea and vomiting.	irritation and reversible damage. Ingestion This takes into account, where known, ironic effects of components from short-term
Short term exposure			
Potential immediate effects	:	There are no data available on the mixture	itself.
Potential delayed effects	:	There are no data available on the mixture	itself.
Long term exposure			
Potential immediate effects	:	There are no data available on the mixture	itself.
Potential delayed effects	:	There are no data available on the mixture	itself.
Potential chronic health effects			
General	:	Causes damage to organs through prolong repeated contact can defat the skin and lea	
Carcinogenicity	:	Suspected of causing cancer. Risk of cancer exposure.	er depends on duration and level of
Mutagenicity	:	No known significant effects or critical haze	ards.
Teratogenicity	:	May damage the unborn child.	
Developmental effects	:	No known significant effects or critical haz	ards.
Fertility effects	:	Suspected of damaging fertility.	
Numerical measures of toxicity			
Acute toxicity estimates			
Boute			ATE value

Route	ATE value
Oral	6874.4 mg/kg
Dermal	17657.6 mg/kg
Inhalation (gases)	39388.1 ppm
Inhalation (vapors)	76.45 mg/l
Inhalation (dusts and mists)	12.77 mg/l

Section 12. Ecological information

<u>Toxicity</u>

Product/ingredient name	Result	Species	Exposure
titanium dioxide 2-methoxy-1-methylethyl acetate	Acute LC50 >100 mg/l Fresh water Acute LC50 161 mg/l Fresh water	Daphnia - Daphnia magna Fish	48 hours 96 hours
ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish - Lepomis macrochirus - Young of the year	96 hours

Persistence and degradability

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Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene toluene ethylbenzene	-	-	Readily Readily Readily

Bioaccumulative potential

Product/ingredient name	LogP ow	BCF	Potential
n-butyl acetate	1.78	-	low
2-methoxy-1-methylethyl	0.56	-	low
acetate			
xylene	3.16	7.4 to 18.5	low
butanone	0.29	-	low
4-methylpentan-2-one	1.31	-	low
butan-1-ol	0.88	-	low
heptan-2-one	1.98	-	low
toluene	2.73	8.32	low
ethylbenzene	3.15	79.43	low
2-ethoxy-1-methylethyl	0.76	-	low
acetate			
Stoddard solvent	3.16 to 7.06	-	high
2-methylpropan-1-ol	0.76	-	low
1,2,4-trimethylbenzene	3.63	120.23	low
2-butoxyethyl acetate	1.51	-	low
benzyl butyl phthalate	4.73	16.22	low
styrene	2.95	13.49	low
methyl methacrylate	1.38	-	low
2-ethylhexyl acrylate	3.67	-	low
isobutyl methacrylate	2.66	-	low

Mobility in soil

Soil/water partition coefficient (K oc)

: Not available.

Section 13. Disposal considerations

	Disposal methods	: The generation of waste should be avoided or minimized 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. 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. Vapor 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 spilled material and runoff and contact
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Section 13. Disposal considerations

with soil, waterways, drains and sewers.

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

	DOT	IMDG	IATA	
UN number	1263	1263	1263	
UN proper shipping name	PAINT	PAINT	PAINT	
Transport hazard class (es)	3	3	3	
Packing group	II	11	II	
Environmental hazards	No.	No.	No.	
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	
Product RQ (lbs)	298.21	Not applicable.	Not applicable.	
RQ substances	(xylene, n-butyl acetate)	Not applicable.	Not applicable.	

Additional information

DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the
RQ (reportable quantity) transportation requirements.IMDG: None identified.IATA: None identified.

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

Section 15. Regulatory information

United States

United States inventory (TSCA 8b)	: All components are listed or exempted.	
United States - TSCA 5(a)2 - Fina	l significant new use rules:	
2-ethoxyethyl acetate		Listed
2-ethoxyethanol		Listed
<u>SARA 302/304</u>		
SARA 304 RQ :	Not applicable.	
Composition /information on inc	radiants	

Composition/information on ingredients

No products were found.

SARA 311/312

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Section 15. Regulatory information

Classification

: Fire hazard

Immediate (acute) health hazard

Delayed (chronic) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	lmmediate (acute) health hazard	Delayed (chronic) health hazard
n-butyl acetate	Yes.	No.	No.	Yes.	No.
titanium dioxide	No.	No.	No.	No.	Yes.
2-methoxy-1-methylethyl acetate	Yes.	No.	No.	No.	No.
xylene	Yes.	No.	No.	Yes.	Yes.
butanone	Yes.	No.	No.	Yes.	No.
4-methylpentan-2-one	Yes.	No.	No.	Yes.	Yes.
butan-1-ol	Yes.	No.	No.	Yes.	No.
Amorphous Silicate	Yes.	No.	No.	No.	No.
heptan-2-one	Yes.	No.	No.	Yes.	No.
toluene	Yes.	No.	No.	Yes.	Yes.
aluminium powder (stabilised)	Yes.	No.	No.	No.	No.
Solvent naphtha (petroleum), light aromatic	Yes.	No.	No.	Yes.	No.
Naphtha (petroleum), heavy alkylate	Yes.	No.	No.	Yes.	No.
Naphtha (petroleum), hydrotreated heavy	Yes.	No.	No.	Yes.	No.
Ligroine	Yes.	No.	No.	Yes.	No.
ethylbenzene	Yes.	No.	No.	Yes.	Yes.
Natural graphite	Yes.	No.	No.	No.	No.
[1-[[(2-hydroxyphenyl)imino]methyl] -2-naphtholato(2-)-N,O,O']copper	Yes.	No.	No.	Yes.	No.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.
2-ethoxy-1-methylethyl acetate	Yes.	No.	No.	Yes.	No.
Stoddard solvent	Yes.	No.	No.	Yes.	Yes.
proprietary substituted quinacridone	Yes.	No.	No.	No.	No.
Solvent naphtha (petroleum), light aliph.	No.	No.	No.	Yes.	No.
2-methylpropan-1-ol	Yes.	No.	No.	Yes.	No.
1,2,4-trimethylbenzene	Yes.	No.	No.	Yes.	No.
2-butoxyethyl acetate	Yes.	No.	No.	Yes.	Yes.
Resin acids and Rosin acids, calcium salts	Yes.	No.	No.	Yes.	No.
Zinc Salt	No.	No.	No.	Yes.	No.
calcium molybdate	No.	No.	No.	Yes.	Yes.
Naphthenic acids	Yes.	No.	No.	Yes.	No.
benzyl butyl phthalate	No.	No.	No.	Yes.	Yes.
acrylic acid, monoester with propane-1, 2-diol	No.	No.	No.	Yes.	No.
styrene	Yes.	No.	No.	Yes.	Yes.
methyl methacrylate	Yes.	No.	No.	Yes.	No.
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	No.	No.	No.	Yes.	No.
2-ethylhexyl acrylate	Yes.	No.	No.	Yes.	No.
2-methoxypropyl acetate	Yes.	No.	No.	Yes.	Yes.
<i>// //</i>	•	•	•	1	1

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Section 15. Regulatory information

isobutyl methacrylate rosin	Yes. Yes.	No. No.	No. No.	Yes. Yes.	No. No.	+
SARA 313	·			·		
Supplier notification	4-methylpenta butan-1-ol toluene Aluminium po ethylbenzene	dium tetraoxide an-2-one wder (stabilized yphenyl)imino]r oper lbenzene	(b	108-1 71-36 108-8 7429- 100-4	20-7 9-33-7 0-1 3 -8-3 -90-5 .1-4 0-42-9 -6 7-2	<u>Concentration</u> 15 - 40 15 - 40 10 - 30 10 - 30 7 - 13 7 - 13 3 - 7 1 - 5 1 - 5 1 - 5 0.5 - 1.5 0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health 3 × Flammability : 3 Physical hazards : 1

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 3 Flammak	pility : 3 Instability : 1
Organization that prepared the SDS	: RESTORATION SHOP
Key to abbreviations	 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

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Date of issue 12/1/16

Product name URETHANE BASECOAT

Section 16. Other information

UN = United Nations

Indicates information that has changed from previously issued version.

<u>Disclaimer</u>

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 Restoration Shop, 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.