SAFETY DATA SHEET

Product name Product code 1.2 Relevant identified uses Material uses 1.3 Details of the supplier of sheet Sherwin Williams UK Coating WF11 0BU, England e-mail address of person responsible for this SDS	 Paint or paint relation Industrial use online f the safety data gs Ltd. Knottingley, 	<i>mixture and uses advised against</i> ated material.
1.2 Relevant identified uses Material uses 1.3 Details of the supplier of sheet Sherwin Williams UK Coating WF11 0BU, England e-mail address of person	of the substance or Paint or paint rela Industrial use onl f the safety data gs Ltd. Knottingley,	ated material. y. National contact
<i>Material uses</i> .3 Details of the supplier of heet Sherwin Williams UK Coating WF11 0BU, England e-mail address of person	 Paint or paint relation Industrial use online f the safety data gs Ltd. Knottingley, 	ated material. y. National contact
<i>.3 Details of the supplier of heet</i> Sherwin Williams UK Coating WF11 0BU, England e-mail address of person	: Industrial use onl f the safety data gs Ltd. Knottingley,	y. National contact
sheet Sherwin Williams UK Coating WF11 0BU, England e-mail address of person	f the safety data gs Ltd. Knottingley,	National contact
heet Sherwin Williams UK Coating WF11 0BU, England e-mail address of person	gs Ltd. Knottingley,	
WF11 0BU, England e-mail address of person		Sherwin Williams UK Coatings Ltd. Knottingley
		WF11 0BU, England
	: ukinfo@sherwin.	com
.4 Emergency telephone nu	umber	
National advisory body/Poi	<u>ison Center</u>	
Telephone number	: 111 (general pub	lic) and 0344 892 111 (Medical professional (NHS) only)
<u>Supplier</u>		
Telephone number	: +(44)1977 673 3	63 (08:30 - 17:00)
ECTION 2: Hazards ide	entification	
2.1 Classification of the sub	stance or mixture	
Product definition	: Mixture	
Classification according to Flam. Liq. 2, H225 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	• Regulation (EC) No	<u>. 1272/2008 [CLP/GHS]</u>
The product is classified as h	nazardous according to	o Regulation (EC) 1272/2008 as amended.
See Section 16 for the full tex		
See Section 11 for more deta	ailed information on he	ealth effects and symptoms.
2.2 Label elements		
2.2 Label elements Hazard pictograms		

Signal word

: Danger

ĺ	SILVER KEM 400
	Q061

SECTION 2: Hazards identification

Precautionary statementsCauses May ca May ca EPrevention:Wear p surface explosi Do notResponse:IF INH ON SK water caStorage:Keep c	s serious eye irritation. s skin irritation.
Precautionary statementsMay can May c	
Precautionary statementsPrevention: Wear p surface explosi Do notResponse: IF INH, 	
Precautionary statementsPrevention: Wear p surface explosi Do notResponse: IF INH ON SK water ofStorage: Keep of	use respiratory irritation. use damage to organs through prolonged or repeated exposure.
Prevention: Wear p surface explosi Do notResponse: IF INH 	
ON SK water o Storage : Keep o	protective gloves. Wear eye or face protection. Keep away from heat, hot es, sparks, open flames and other ignition sources. No smoking. Use on-proof electrical, ventilating, lighting and all material-handling equipment. breathe vapor.
5	ALED: Remove person to fresh air and keep comfortable for breathing. IF IN (or hair): Take off immediately all contaminated clothing. Rinse skin with or shower.
Disposal · Dispos	ool.
. .	e of contents and container in accordance with all local, regional, national ernational regulations.
Hazardous ingredients : Xylene	
	ns cobalt bis(2-ethylhexanoate) and 2-butanone oxime. May produce an preaction.
Annex XVII - Restrictions : Not app on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	plicable.
Special packaging requirements	

2.3 Other hazards

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixture	:	1	1	
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥25 - ≤50	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304	[1] [2]
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	<10	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304	[1] [2]
Lt. Aliphatic Hydrocarbon Solvent	EC: 265-192-2 CAS: 64742-89-8 Index: 649-267-00-0	≤10	Flam. Liq. 2, H225 Asp. Tox. 1, H304	[1]
Methyl Ethyl Ketone	REACH #: 01-2119457290-43 EC: 201-159-0	≤3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1] [2]
Date of issue/Date of revisio	on : 27, Jul, 2017.	Date of previo	ous issue : No previous validation. Version : 1	2/

SECTION 3: Composition/information on ingredients

	CAS: 78-93-3		EUH066	
n-Butyl Acetate	Index: 606-002-00-3 REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≤3	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	[1] [2]
Cyclohexanone	REACH #: 01-2119453616-35 EC: 203-631-1 CAS: 108-94-1 Index: 606-010-00-7	≤2.6	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318	[1] [2]
Zirconium 2-Ethylhexanoate	REACH #: 01-2119979088-21 EC: 245-018-1 CAS: 22464-99-9	≤1	Repr. 2, H361d (Unborn child)	[1] [2]
Methyl Ethyl Ketoxime	REACH #: 01-2119539477-28 EC: 202-496-6 CAS: 96-29-7 Index: 616-014-00-0	≤0.3	Acute Tox. 4, H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351	[1]
Cobalt 2-Ethylhexanoate	REACH #: 01-2119524678-29 EC: 205-250-6 CAS: 136-52-7	<0.25	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361f (Fertility) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

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, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General	 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.
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.
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.

SECTION 4: First aid measures

Protection 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.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

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. 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.

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

Ingestion may cause nausea, diarrhea 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.

Contains 2-butanone oxime, cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefighting measures			
 5.1 Extinguishing media Suitable extinguishing : Recommended: alcohol-resistant foam, carbon dioxide, powders. media 			
media Unsuitable extinguishing media	: Do not use water jet.		
5.2 Special hazards arising from the substance or mixture			
Hazards from the substance or mixture	ire will produce dense black smoke. Exposure to decomposition products may ause a health hazard.		
Hazardous combustion products	ecomposition products may include the following materials: carbon monoxide, arbon dioxide, smoke, oxides of nitrogen.		
5.3 Advice for firefighters			
Special protective actions for fire-fighters	cool closed containers exposed to fire with water. Do not release runoff from fire rains or watercourses.	e to	
Special protective equipment for fire-fighters	ire-fighters should wear positive pressure self-contained breathing apparatus SCBA) and full turnout gear.		

SECTION 6: Accidental release measures

ctive equipment and emergency procedures	
Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mi Refer to protective measures listed in sections 7 and 8.	ist.
Keep unnecessary and unprotected personnel from entering. If specialized 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".	
	S,
Contain and collect spillage with non-combustible, absorbent material e.g. san earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a deterge Avoid using solvents.	
See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.	
:	 Keep unnecessary and unprotected personnel from entering. If specialized 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". Do not allow to enter drains or watercourses. If the product contaminates laker rivers, or sewers, inform the appropriate authorities in accordance with local regulations. Contain and collect spillage with non-combustible, absorbent material e.g. san earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a deterge Avoid using solvents. See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling	 Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations 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 antistatic footwear and clothing and floors should be of the conducting type. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses. Information on fire and explosion protection Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.
7.2 Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Notes on joint storage Keep away from: oxidizing agents, strong alkalis, strong acids. Additional information on storage conditions Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
	Contaminated absorbent material may pose the same hazard as the spilled product.
Date of issue/Date of revision	: 27, Jul, 2017. Date of previous issue : No previous validation. Version : 1 5/1

SECTION 7: Handling and storage

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

	Notification and MAPP threshold	Safety report threshold
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b	5000	50000
7b: Highly flammable (R11)	5000	50000

7.3 Specific end use(s)

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimise the risks of spontaneous combustion and other fire hazards.

Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Xylene	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 441 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
Ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 552 mg/m ³ 15 minutes.
	STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.
	TWA: 441 mg/m ³ 8 hours.
Methyl Ethyl Ketone	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 899 mg/m ³ 15 minutes.
	STEL: 300 ppm 15 minutes.
	TWA: 600 mg/m ³ 8 hours.
	TWA: 200 ppm 8 hours.
n-Butyl Acetate	EH40/2005 WELs (United Kingdom (UK), 12/2011).
	STEL: 966 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 724 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours.
Cyclohexanone	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 20 ppm 15 minutes.
Ziraanium 0 Ethulhavanaata	TWA: 10 ppm 8 hours.
Zirconium 2-Ethylhexanoate	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 10 mg/m ³ , (as Zr) 15 minutes.
	TWA: 5 mg/m ³ , (as Zr) 8 hours.
Cobalt 2-Ethylhexanoate	EH40/2005 WELs (United Kingdom (UK), 12/2011). Inhalation
	sensitizer.
	TWA: 0.1 mg/m ³ , (as Co) 8 hours.

SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

: Regular monitoring of all work areas should be carried out at all times, including areas that may not be equally ventilated.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Xylene	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	108 mg/kg bw/day	Human via the environment	Systemic
	DNEL	Long term Inhalation	77 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	289 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	289 mg/m³	Workers	Local
	DNEL	Long term Inhalation	14.8 mg/m³	Human via the environment	Systemic
	DNEL	Short term Inhalation	174 mg/m³	Consumers	Systemic
	DNEL	Short term Inhalation	174 mg/m³	Consumers	Local
Methyl Ethyl Ketone	DNEL	Long term Dermal	1161 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	600 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	412 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Inhalation	106 mg/m ³	Consumers	Systemic
	DNEL	Long term Oral	31 mg/kg bw/day	Consumers	Systemic
n-Butyl Acetate	DNEL	Short term Inhalation	960 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	960 mg/m³	Workers	Local
	DNEL	Long term Inhalation	480 mg/m³	Workers	Systemic
	DNEL	Long term	480 mg/m³	Workers	Local
	DNEL	Short term Inhalation	859.7 mg/ m³	Consumers	Systemic
	DNEL	Short term Inhalation	859.7 mg/ m³	Consumers	Local
	DNEL	Long term	102.34 mg/ m ³	Consumers	Systemic
	DNEL	Long term	102.34 mg/ m ³	Consumers	Local

PNECs

0061

SECTION 8: Exposure controls/personal protection

Product/ingredie	nt name	Compartment Detail	Value	Method Detail
Xylene		Fresh water	0.327 mg/l	-
, ,		Marine water	0.327 mg/l	-
		Fresh water sediment	12.46 mg/l	_
		Sewage Treatment	6.58 mg/l	_
		Plant	5	
		Soil	2.31 mg/kg	_
		Marine water sediment	12.46 mg/l	_
Methyl Ethyl Ketone		Fresh water	55.8 mg/l	_
		Marine water	55.8 mg/l	_
		Sewage Treatment	709 mg/l	_
		Plant		
		Sediment	284.7 mg/kg dwt	-
		Soil	22.5 mg/kg	_
		Secondary Poisoning	1000 mg/kg	_
n-Butyl Acetate		Fresh water	0.18 mg/l	_
		Marine water	0.018 mg/l	_
		Fresh water sediment	0.981 mg/kg	_
		Marine water sediment	0.0981 mg/kg	_
		Soil	0.0903 mg/kg	-
		Sewage Treatment	35.6 mg/l	-
		Plant	U U	
2 Exposure controls Appropriate engineering		dequate ventilation. Where re		
controls	by the use of local exhaust ve not sufficient to maintain con OEL, suitable respiratory pro	centrations of partic	culates and solvent vapo	
	: Users are equivalen	advised to consider national t values.	Occupational Expo	sure Limits or other
Individual protection meas	<u>sures</u>			
Hygiene measures	eating, sm Appropria	nds, forearms and face thorou noking and using the lavatory te techniques should be used ntaminated clothing before reu	and at the end of the to remove potentia	ne working period.

Eye/face protection : Use safety eyewear designed to protect against splash of liquids. Skin protection

- : Wear suitable gloves tested to EN374.
- Hand protection Gloves Short term exposure less than 10 minutes Continuous use Nitrile gloves. Hazardous ingredients Section 3 Short term exposure and For more than 4 hours of protection in the presence of Butanone Acetone or Methyl isobutyl ketone use Butyl gloves 0. 7mm . For more than 4 hours of protection in the presence of Aromatic solvent Aliphatic solvent. or Mineral oil. use polyvinyl alcohol (PVA) gloves. The recommendation for the type or types of glove to use when handling this product is based on information from the following source: European Solvents Industry Group (ESIG). Long Term Exposure Spill / For prolonged or repeated handling, use PE / PE Laminate gloves > 8 hours (breakthrough time). There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. 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.

safety showers are close to the workstation location.

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.

SECTION 8: Exposure controls/personal protection

•	
	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 but should not be applied once exposure has occurred.
	The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Body protection	 Personnel should wear antistatic clothing made of natural fibers or of high- temperature-resistant synthetic fibers.
	: 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. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
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	: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Recommended: A2P2 (EN14387). 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.
Environmental exposure controls	: Do not allow to enter drains or watercourses.

Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations. 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. The provisions of the national health and safety at work regulations apply to the use of this product at work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Not available.
Odor	: Solvent.
Odor threshold	: Not relevant/applicable due to nature of the product.
pН	: Testing not technically possible.
Melting point/freezing point	: Not relevant/applicable due to nature of the product.
Initial boiling point and boiling range	Not available.
Flash point	: Closed cup: 11°C
Evaporation rate	: Slower than Ether Phase
Flammability (solid, gas)	: Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	: Not relevant/applicable due to nature of the product.
Vapor pressure	: 12.1 kPa [at 20°C]
Vapor density	: Not relevant/applicable due to nature of the product.
Relative density	: 0.996726045
Solubility(ies)	: Not relevant/applicable due to nature of the product.
Solubility in water	: Not relevant/applicable due to nature of the product.

SECTION 9: Physical and chemical properties

Partition coefficient: n-octanol/ water	:	Not relevant/applicable due to nature of the product.
Auto-ignition temperature	:	Not Available (Not Tested).
Decomposition temperature	:	Not relevant/applicable due to nature of the product.
Viscosity	:	Not Available (Not Tested).
Explosive properties	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Oxidizing properties	:	Under normal conditions of storage and use, hazardous reactions will not occur.

9.2 Other information

Heat of combustion	:	17.76 kJ/g
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SECTION 10: Stability and reactivity			
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.		
10.2 Chemical stability	: Stable under recommended storage and handling conditions (see Section 7).		
10.3 Possibility of hazardous reactions	: No specific test data related to reactivity available for this product or its ingredients.		
	Under normal conditions of storage and use, hazardous reactions will not occur.		
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.		
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.		
10.6 Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.		
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL			

PROTECTION for additional handling information and protection of employees.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

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. 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.

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

Ingestion may cause nausea, diarrhea 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.

Contains 2-butanone oxime, cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

Acute toxicity

Q061

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure	
Xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours	
-	LD50 Oral	Rat	4300 mg/kg	-	
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-	
-	LD50 Oral	Rat	3500 mg/kg	-	
Methyl Ethyl Ketone	LD50 Dermal	Rabbit	6480 mg/kg	-	
	LD50 Oral	Rat	2737 mg/kg	-	
n-Butyl Acetate	LD50 Dermal	Rabbit	>17600 mg/kg	-	
	LD50 Oral	Rat	10768 mg/kg	-	
Cyclohexanone	LC50 Inhalation Gas.	Rat	8000 ppm	4 hours	
-	LD50 Oral	Rat	1800 mg/kg	-	
Zirconium 2-Ethylhexanoate	LD50 Dermal	Rabbit	>5 g/kg	-	
	LD50 Oral	Rat	>5 g/kg	-	
Methyl Ethyl Ketoxime	LD50 Oral	Rat	930 mg/kg	-	
Cobalt 2-Ethylhexanoate	LD50 Dermal	Rabbit	>5 g/kg	-	
-	LD50 Oral	Rat	1.22 g/kg	-	

Acute toxicity estimates

Route	ATE value
Oral	100133.5 mg/kg
Dermal	2990.4 mg/kg
Inhalation (gases)	13846.5 ppm
Inhalation (vapors)	176.7 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
-	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				milligrams	
	Skin - Mild irritant	Rat	-	8 hours 60	-
				microliters	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500	-
				milligrams	
	Skin - Mild irritant	Rabbit	-	24 hours 15	-
				milligrams	
Methyl Ethyl Ketone	Skin - Mild irritant	Rabbit	-	24 hours 14	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
n-Butyl Acetate	Eyes - Moderate irritant	Rabbit	-	100	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
		B 11.9		milligrams	
Cyclohexanone	Eyes - Severe irritant	Rabbit	-	24 hours 250	-
		Datati		Micrograms	
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Skin - Mild irritant	Human	-	48 hours 50	-
	China Mild inside at	Dahkit		Percent	
	Skin - Mild irritant	Rabbit	-	500	-
		Dahkit		milligrams	
Methyl Ethyl Ketoxime	Eyes - Severe irritant	Rabbit	-	100	-
				microliters	
Conclusion/Summary	: Not available.				
Sensitization					
Conclusion/Summary	: Not available.				
Mutagenicity					

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SECTION 11: Toxicological information

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Xylene	Category 3		Respiratory tract irritation
Methyl Ethyl Ketone n-Butyl Acetate	Category 3 Category 3		Narcotic effects Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Xylene Ethylbenzene			Not determined hearing organs

Aspiration hazard

Product/ingredient name	Result
Xylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
Lt. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

Product/ingredient name	Result	Species	Exposure
Xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes	48 hours
		pugio	
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Ethylbenzene	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6530 µg/l Fresh water	Crustaceans - Artemia sp Nauplii	48 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Lt. Aliphatic Hydrocarbon Solvent	Acute LC50 >100000 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Methyl Ethyl Ketone	Acute EC50 >500000 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 5091000 µg/l Fresh water	Daphnia - Daphnia magna - Larvae	48 hours
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SECTION 12: Ecological information

SECTION 12. Ecological	mormation		
	Acute LC50 3220000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
n-Butyl Acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Cyclohexanone	Acute EC50 32.9 mg/l Fresh water	Algae - Chlamydomonas	72 hours
		reinhardtii - Exponential growth	
		phase	
	Acute LC50 527000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic EC10 3.56 mg/l Fresh water	Algae - Chlamydomonas	72 hours
		reinhardtii - Exponential growth	
		phase	
Methyl Ethyl Ketoxime	Acute LC50 843000 µg/l Fresh water	Fish - Pimephales promelas	96 hours

12.2 Persistence and degradability

Conclusion/Summary : Not available.			
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Xylene	-	-	Readily
Ethylbenzene	-	-	Readily
Methyl Ethyl Ketone	-	-	Readily
n-Butyl Acetate	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Xylene	-	8.1 to 25.9	low
Lt. Aliphatic Hydrocarbon Solvent	-	10 to 2500	high
Zirconium 2-Ethylhexanoate	-	2.96	low
Methyl Ethyl Ketoxime	-	2.5 to 5.8	low
Cobalt 2-Ethylhexanoate	-	15600	high

12.4 Mobility in soil	
Soil/water partition coefficient (K _{oc})	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

PBT	: Not applicable.
vPvB	: Not applicable.

: No known significant effects or critical hazards.

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

12.6 Other adverse effects

<u>Product</u> <i>Methods of disposal</i>	Disposal of with the requ and any reg recyclable p disposed of	: 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.				
Hazardous waste	: Yes.					
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SECTION 13: Disposal considerations

-			
European waste catalogue (EWC)	:	waste paint and varnish containing organic solvents or other hazardous substances 08 01 11*	
Disposal considerations	:	Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. 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.	
<u>Packaging</u>			
Methods of disposal	:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.	
Disposal considerations	:	Using information provided in this safety data sheet, advice should be obtained from the relevant 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.	
European waste catalogue (EWC)	:	Recycling possible. Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself. Plastic articles 15 01 02 - metallic packaging 15 01 04 - mixed packaging 15 01 06. 15 01 10* packaging containing residues of or contaminated by hazardous substances	
Special 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. 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 with soil, waterways, drains and sewers.	

SECTION 14: Transport information ADR/RID IMDG IATA UN1263 UN1263 UN1263 14.1 UN number PAINT PAINT 14.2 UN proper PAINT shipping name 14.3 Transport 3 3 3 Hazard Class(es)/ Label(s) 14.4 Packing Ш Ш Ш group 14.5 No. No. No. Environmental hazards Additional Special provisions _ information 640 (C) Tunnel code (D/E)

user

14.6 Special precautions for : 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.

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SECTION 14: Transport information

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code : Not applicable.

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XVII - Restrictions	:	Not applicable.
on the manufacture,		
placing on the market		
and use of certain		
dangerous substances,		
mixtures and articles		
Other EU regulations		
Industrial omissions		Listod

Industrial emissions : Listed (integrated pollution prevention and control) -Air

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
2-ethylhexanoic acid, zirconium salt 2-butanone oxime	- Carc. 2, H351	-	Repr. 2, H361d (Unborn child) -	-
cobalt bis (2-ethylhexanoate)	-	-	-	Repr. 2, H361f (Fertility)

Seveso Directive

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This product is controlled under the Seveso Directive.

Category	
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b 7b: Highly flammable (R11)	

Industrial use : 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. The provisions of the national health and safety at work regulations apply to the use of this product at work.

Product/ingredient name	List name	Name on list	Classification	Notes
cobalt bis(2-ethylhexanoate)	UK Occupational Exposure Limits EH40 - WEL	cobalt compounds	Carc.	-

15.2 Chemical Safety

: No Chemical Safety Assessment has been carried out.

Assessment

SECTION 16: Other information

Indicates information that	at has changed from previously issued version.
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
Key literature references and sources for data	 Regulation (EC) No. 1272/2008 [CLP] ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road DPD = Dangerous Preparations Directive [1999/45/EC] DSD = Dangerous Substances Directive [67/548/EEC] IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 Directive 2012/18/EU, and relative amendments & additions Directive 2008/98/EC, and relative amendments & additions Directive 2009/161/EU, and relative amendments & additions CEPE Guidelines

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification
Flam. Liq. 2, H225 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373		On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method
Full text of abbreviated H statements	: H225 H226 H302 H304 H312 H315 H317 H318 H319 H332 H335 H336 H351 H361d H361f H373 H400 H410	 Highly flammable liquid and vapor. Flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging the unborn child. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

SECTION 16: Other information

Full text of classifications [CLP/GHS]	 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H32 Acute Tox. 1, H304 Aquatic Chronic 1, H410 Agent Acute Toxic Tripologital for the product of the produc
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	 If there is no previous validation date please contact your supplier for more information.
Version	: 1

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.