SAFETY DATA SHEET



Conforms to Official Mexican Standard NOM-018-STPS-2015

Date of revision 3 June 2024

Version 2

Date of issue 3 June 2024

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

Product name	: AMERSHIELD=RAL 9005 K-7 NV
Product code	: 19AE045177
Other means of identification	: Not applicable.
Product type	: Liquid.
Relevant identified uses of	the substance or mixture and uses advised against
Product use	: Professional applications.
Use of the substance/ mixture	: Coating.
Uses advised against	: Not applicable.
Manufacturer	: Comercial Mexicana de Pinturas S.A. de C.V. Marcos Achar Lobatón, No. 6 Tepexpan, Acolman, Estado de México CP. 55885 Tel. (55)1669-1400 (México)
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)
Customer Service / Technical Phone Number	: 800 7126-639 (México)

SECTION 2: Hazards identification

TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 78.7% (oral), 78.7% (dermal), 46.3% (inhalation) GHS label elements Hazard pictograms : Signal word :		Mexico Pa
TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 78.7% (oral), 78.7% (dermal), 46.3% (inhalation) GHS label elements	Signal word	: Danger
TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 78.7% (oral), 78.7% (dermal), 46.3% (inhalation)		
TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity:	GHS label elements	
Classification of the : FLAMMABLE LIQUIDS - Category 3 substance or mixture CARCINOGENICITY - Category 1A	Classification of the substance or mixture	CARCINOGENICITY - Category 1A TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Catego Percentage of the mixture consisting of ingredient(s) of unknown acute toxicit

Product name AMERSHIELD=RAL 9005 K-7 NV

SECTION 2: Hazards identification

Hazard statements	:	 H226 - Flammable liquid and vapor. H350 - May cause cancer. H361 - Suspected of damaging fertility or the unborn child. H372 - Causes damage to organs through prolonged or repeated exposure.
Precautionary statements		
Prevention	:	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling.
Bernard		
Response	:	P308 + P313 - IF exposed or concerned: Get medical advice or attention. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Storage	1	P405 - Store locked up.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not result in classification	:	May form explosive peroxides. Hazardous reactions or instability may occur under certain conditions of storage or use. Sanding and grinding dusts may be harmful if inhaled. Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Emits toxic fumes when heated.
See toxicological information	n (:	Section 11)

See toxicological information (Section 11)

SECTION 3: Composition/information on ingredients

Substance/mixture **Product name** Other means of

: Mixture

- : AMERSHIELD=RAL 9005 K-7 NV
- identification
- : Not applicable.

Ingredient name	%	CAS number
Wollastonite	≥20 - ≤50	13983-17-0
n-butyl acetate	≥10 - ≤16	123-86-4
2-methoxy-1-methylethyl acetate	≥1.0 - ≤3.8	108-65-6
ethyl 3-ethoxypropionate	≥1.0 - ≤5.0	763-69-9
crystalline silica, respirable powder (<10 microns)	≥1.0 - ≤5.0	14808-60-7
Diopside	≥1.0 - ≤5.0	14483-19-3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	<1.0	41556-26-7
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	<1.0	82919-37-7

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.

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SECTION 3: Composition/information on ingredients

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

SECTION 4: First aid measures

Description of necessary first aid measures

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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs	/symptoms

Over-exposure signs/symptoms

See toxicological information (Section 11)

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Specific treatments	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.
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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5: Firefighting 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	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides metal oxide/oxides

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SECTION 5: Firefighting measures

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.
Special protective equipment for fire-fighters	Use water spray to keep fire-exposed containers cool. 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, protect	ctiv	e 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	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".
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 co	onta	ainment 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

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.

emergency contact information and Section 13 for waste disposal.

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SECTION 7: Handling and storage

	l ake 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. May form explosive peroxides. Keep away from combustible materials. Avoid shock and friction. Avoid all possible sources of ignition (spark or flame). 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: 50°C (122°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
₩ollastonite	ACGIH TLV (United States, 7/2023). TWA: 1 mg/m ³ 8 hours. Form: Inhalable
n-butyl acetate	fraction NOM-010-STPS-2014 (Mexico, 4/2016). STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours.
2-methoxy-1-methylethyl acetate	IPEL (-, 10/2017). Absorbed through skin. TWA: 30 ppm
ethyl 3-ethoxypropionate	STEL: 90 ppm IPEL (-). TWA: 50 ppm
crystalline silica, respirable powder (<10 microns)	STEL: 100 ppm NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 0.025 mg/m ³ 8 hours. Form: Beapriceble
Diopside	Respirable ACGIH TLV (United States). TWA: 10 mg/m ³ , (Total dust)
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	None. None.

Key to abbreviations

C = Ceiling Limit IPEL = Internal Permissible Exposure Limit STEL = Short term exposure limit

TLV = Threshold Limit Value TWA = Time Weighted Average

Consult local authorities for acceptable exposure limits.

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SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures	:	Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.	
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.	
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensu they comply with the requirements of environmental protection legislation. In som cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.	
Individual protection measure	s		
Hygiene measures		Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	
Eye/face protection	;	Safety glasses with side shields.	
Skin 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.	
Gloves	:	For prolonged or repeated handling, use the following type of gloves:	
		Not recommended: nitrile rubber May be used: butyl rubber, Chloroprene	
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.	

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SECTION 9: Physical and chemical properties

Appearance

Physical state	:	Liquid.	
Color	:	Not available.	
Odor	:	Not available.	
Odor threshold	:	Not available.	
Molecular weight	1	Not applicable.	
рН	4	Not applicable.	
Melting point	1	Not available.	
Boiling point	1	>37.78°C (>100°F)	
Flash point	:	Closed cup: 27°C (80.6°F)	
Auto-ignition temperature	:	Not available.	
Decomposition temperature	:	Not available.	
Flammability	1	Not available.	
Lower and upper explosive (flammable) limits	:	Not available.	
Evaporation rate	1	Not available.	
Vapor pressure	:	Not available.	
Vapor density	:	Not available.	
Relative density	:	1.35	
Density(lbs / gal)	:	11.27	
		Media	Result
Solubility(ies)	-	cold water	Not soluble
Solubility in water	:	Not available.	
Partition coefficient: n- octanol/water	:	Not applicable.	
Viscosity Volatility	1	Kinematic (40°C (104°F)): 30% (v/v), 19.02% (w/w)	>21 mm²/s (>21 cSt)
% Solid. (w/w)	:	80.98	

SECTION 10: Stability and reactivity

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

Product name AMERSHIELD=RAL 9005 K-7 NV

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result			Species	Dose	Exposure
P-butyl acetate 2-methoxy-1-methylethyl acetate	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral LC50 Inhalation Vapor			Rat Rat Rabbit Rat Rat	>21.1 mg/l 2000 ppm >17600 mg/kg 10.768 g/kg 30 mg/l	4 hours 4 hours - - 4 hours
ethyl 3-ethoxypropionate bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	LD50 Deri LD50 Ora LD50 Deri LD50 Ora LD50 Ora	l mal I		Rabbit Rat Rabbit Rat Rat Rat	>5 g/kg 6190 mg/kg >5 g/kg 3200 mg/kg 3.125 g/kg 3.125 g/kg	- - - -
Conclusion/Summary	: There a	re no dat	a available on	the mixture itse	l lf.	
Irritation/Corrosion						
<u>Conclusion/Summary</u> Skin Eyes Respiratory <u>Sensitization</u> <u>Conclusion/Summary</u>	 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. 					
Skin	: There a	re no dat	a available on	the mixture itse	lf	
Respiratory	 There are no data available on the mixture itself. There are no data available on the mixture itself. 					
Mutagenicity						
Conclusion/Summary	: There are no data available on the mixture itself.					
Carcinogenicity						
Conclusion/Summary : There are no data available on the mixture itself. <u>Classification</u>						
Product/ingredient name	OSHA	IARC	NTP			
₩ollastonite crystalline silica, respirable powder (<10 microns)	Illine silica, respirable + 1 Known to be a human carcinogen.					
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: -						
	-					
Reproductive toxicity Conclusion/Summary	• There a	ire no dat	a available on	the mixture itse	lf	
	. 11616.8		a avaliable ON		11.	
Conclusion/Summary	Conclusion/Summary : There are no data available on the mixture itself.					
Specific target organ toxicit						

Specific target organ toxicity (single exposure)

Product name AMERSHIELD=RAL 9005 K-7 NV

SECTION 11: Toxicological information

Name		Category	Route of exposure	Target o	rgans
n-butyl acetate 2-methoxy-1-methylethyl a	Category 3 Category 3	-	Narcotic Narcotic		
Specific target organ toxi	<u>city (repeated exposure)</u>				
Name	Category	Route of exposure	Target o	rgans	
crystalline silica, respirable	powder (<10 microns)	Category 1	inhalation	-	
Target organs	: Contains material whic bone marrow. Contains material whic upper respiratory tract, lens or cornea.	ch may cause dama	ige to the following	ı organs: kidn	eys, lungs
Aspiration hazard Not available.					
nformation on the likely ro	outes of exposure				
Potential acute health effe	<u>cts</u>				
Eye contact	: No known significant e	effects or critical ha	zards.		
Inhalation	: No known significant e	No known significant effects or critical hazards.			
Skin contact	: Defatting to the skin.	: Defatting to the skin. May cause skin dryness and irritation.			
Ingestion	: No known significant e	effects or critical ha	zards.		
Over-exposure signs/sym	<u>ptoms</u>				
Eye contact	: No specific data.				
Inhalation	: Adverse symptoms m reduced fetal weight increase in fetal death skeletal malformations	IS	wing:		
Skin contact	: Adverse symptoms m irritation dryness cracking reduced fetal weight increase in fetal death skeletal malformations	s	ving:		
Ingestion	: Adverse symptoms m reduced fetal weight increase in fetal death skeletal malformations	IS 6	-		
	fects and also chronic effe				
Conclusion/Summary	: There are no data ava silica which can cause duration and level of e applications. Exposure stated occupational ex mucous membrane an kidneys, liver and cent dizziness, fatigue, mus consciousness. Solve	lung cancer or silic xposure to dust from e to component solv posure limit may re id respiratory system ral nervous system scular weakness, dr	osis. The risk of c m sanding surface vent vapor concen sult in adverse hea m irritation and adv . Symptoms and s rowsiness and, in e	ancer depend s or mist from trations in exc alth effects su verse effects of signs include h extreme cases	ds on the a spray cess of the ach as on the neadache s, loss of
				Mexico	Dado. 0

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SECTION 11: Toxicological information

		through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. 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.
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 effe	cts	
General	-	Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	Suspected of damaging fertility or the unborn child.
Numerical measures of toxic	<u>city</u>	

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
p-butyl acetate	10768	N/A	N/A	N/A	N/A
2-methoxy-1-methylethyl acetate	6190	N/A	N/A	30	N/A
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	3125	N/A	N/A	N/A	N/A
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	3125	N/A	N/A	N/A	N/A

SECTION 12: Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
-butyl acetate 2-methoxy-1-methylethyl acetate	Acute LC50 18 mg/l Acute LC50 134 mg/l Fresh water	Fish Fish - Oncorhynchus mykiss	96 hours 96 hours
ethyl 3-ethoxypropionate	Acute LC50 60.9 mg/l	Fish	96 hours

Persistence and degradability

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

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SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
-butyl acetate 2-methoxy-1-methylethyl acetate	-	-	Readily Readily
ethyl 3-ethoxypropionate	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
 butyl acetate 2-methoxy-1-methylethyl acetate 	2.3 1.2	-	Low Low
ethyl 3-ethoxypropionate	1.47	-	Low

Mobility in soil

Soil/water partition				
coefficient (Koc)				

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

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 nonrecyclable 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 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

SECTION 14: Transport information

	Mexico Classification	IMDG	ΙΑΤΑ		
UN number	UN1263	UN1263	UN1263		
UN proper shipping name	PAINT	PAINT	PAINT		
Transport hazard class(es)	3	3	3		
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SECTION 14: Transport information

Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	Not applicable.	Not applicable.	Not applicable.
RQ substances	Not applicable.	Not applicable.	Not applicable.

Additional information				
Mexico	: None identified.			
IMDG	: None identified.			
ΙΑΤΑ	: None identified.			

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

Transport in bulk according : Not applicable. to IMO instruments

SECTION 15: Regulatory information

Mexico

Classification Flammability : 3 Health : 2 Reactivity : 0

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

SECTION 16: Other information

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

Health	1	2	*	Flammability	1	3	Physical hazards	:	0
(*)- Cł effects	nror	nic							

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. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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SECTION 16: Other information

Organization that prepared the SDS	: EHS
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 = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

The information, which is based on the current knowledge of the chemical substance or mixture and applies to appropriate safety precautions for the product, is deemed correct but is not exhaustive and will be used only as a guide.

Disclaimer

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