SAFETY DATA SHEET

81133/86133

Section 1. Identification

Product name	: DURA SEAL® QUICK COAT 2 Hour Penetrating Finish English Chestnut
Product code	: 81133/86133
Other means of identification	: Not available.
Product type	: Liquid.
Relevant identified uses of t	he substance or mixture and uses advised against
Paint or paint related material.	
Manufacturer	: MINWAX Company 10 Mountainview Road Upper Saddle River, NJ 07458
Emergency telephone number of the company	: (800) 424-9300
Product Information Telephone Number	: (800) 364-1359
Regulatory Information Telephone Number	: (216) 566-2902
Transportation Emergency Telephone Number	: (800) 424-9300

Section 2. Hazards identification

 FLAMMABLE LIQUIDS - Category 3 RESPIRATORY SENSITIZATION - Category 1 SKIN SENSITIZATION - 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) - Category 1 ASPIRATION HAZARD - Category 1
Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 55.1% Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 55.1% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 56.2%

GHS label elements

Section 2. Hazards identification

Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapor. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May damage the unborn child. Suspected of damaging fertility. Suspected of causing cancer. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure.
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. Wear respiratory protection. 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. Contaminated work clothing must not be allowed out of the workplace.
Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. 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. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
Storage	: Store locked up. Store in a well-ventilated place. Keep cool.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	 DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
Hazards not otherwise classified	: DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

: 3/3/2020

Section 3. Composition/information on ingredients

Substance/mixture

- : Mixture
- Other means of identification
- : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Light Aliphatic Hydrocarbon	≥25 - ≤50	64742-47-8
Aliphatic Solvent	≤10	64742-47-8
Med. Aliphatic Hydrocarbon Solvent	≤10	64742-88-7
Umber	≤5	12713-03-0
Zirconium 2-Ethylhexanoate	≤3	22464-99-9
Hydrotreated Heavy Petroleum Naphtha	<1	64742-48-9
Fatty acids, C9-13-neo-, cobalt salts	<1	68955-83-9
1,2,4-Trimethylbenzene	<1	95-63-6
Cobalt Neodecanoate	<1	27253-31-2
Toluene	<1	108-88-3
Light Aromatic Hydrocarbons	<1	64742-95-6
2-(2-Methoxyethoxy)-ethanol	≤0.3	111-77-3
Calcium 2-Ethylhexanoate	≤0.3	136-51-6
1-Methyl-2-Pyrrolidone	≤0.3	872-50-4
1,3,5-Trimethylbenzene	≤0.3	108-67-8

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 and hence require reporting in this section.

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

Section 4. First aid measures

Description of nec	essary first a	id measures			
Eye contact	:	eyelids. Che		water, occasionally lifting contact lenses. Continue	
Inhalation	:	is suspected or self-conta respiratory a may be dany Get medical place in reco airway. Loo	I that fumes are still present ained breathing apparatus arrest occurs, provide arti- gerous to the person prov- attention. If necessary, overy position and get me	ent, the rescuer should w s. If not breathing, if brea ficial respiration or oxyger viding aid to give mouth-to call a poison center or ph edical attention immediate s a collar, tie, belt or waist	n by trained personnel. It o-mouth resuscitation. lysician. If unconscious,
Skin contact	:	contaminate Continue to complaints of	ed clothing thoroughly with rinse for at least 10 minu	Remove contaminated c n water before removing i tes. Get medical attentio er exposure. Wash clothi	on. In the event of any
Ingestion	:	with water. position com person is co feels sick as lungs and ca be kept low unconscious	Remove dentures if any. Infortable for breathing. If Inscious, give small quan s vomiting may be danger ause damage. Do not inc so that vomit does not er s person. If unconscious,	Remove victim to fresh a material has been swallo tities of water to drink. St ous. Aspiration hazard if duce vomiting. If vomiting ther the lungs. Never give place in recovery positio	owed and the exposed top if the exposed person f swallowed. Can enter g occurs, the head should e anything by mouth to an
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Section 4. First aid measures

tie, belt or waistband.

Most important symptoms/ Potential acute health effe	
Eye contact	: No known significant effects or critical hazards.
Inhalation	 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
Over-exposure signs/sym	<u>ptoms</u>
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma 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: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: nausea or vomiting reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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 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	: 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. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide 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. 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	nta	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 emergency contact information and Section 13 for waste disposal.

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Section 7. Handling and storage

Precautions for safe handling	
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. 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 swallow. 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.
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	: 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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits	
Light Aliphatic Hydrocarbon	64742-47-8	ACGIH TLV (United States, 3/2019). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.	
Aliphatic Solvent	64742-47-8	ACGIH TLV (United States, 3/2019). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.	
Med. Aliphatic Hydrocarbon Solvent	64742-88-7	OSHA PEL (United States, 5/2018). TWA: 100 ppm 8 hours. TWA: 400 mg/m ³ 8 hours.	
Umber	12713-03-0	 IWA: 400 mg/m³ 8 hours. NIOSH REL (United States, 10/2016). TWA: 1 mg/m³, (as Mn) 10 hours. Form: Fume STEL: 3 mg/m³, (as Mn) 15 minutes. Form: Fume ACGIH TLV (United States, 3/2019). TWA: 0.1 mg/m³, (as Mn) 8 hours. Form: Inhalable fraction TWA: 0.02 mg/m³, (as Mn) 8 hours. Form: Respirable fraction 	
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Section 8. Exposure controls/personal protection

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		OSHA PEL (United States, 5/2018).
Zine anium O. Ethudh augus a sta	00404 00 0	CEIL: 5 mg/m ³ , (as Mn)
Zirconium 2-Ethylhexanoate	22464-99-9	ACGIH TLV (United States, 3/2019).
		TWA: 5 mg/m³, (as Zr) 8 hours. STEL: 10 mg/m³, (as Zr) 15 minutes.
		NIOSH REL (United States, 10/2016).
		TWA: 5 mg/m ³ , (as Zr) 10 hours.
		STEL: 10 mg/m ³ , (as Zr) 15 minutes.
		OSHA PEL (United States, 5/2018).
		TWA: 5 mg/m ³ , (as Zr) 8 hours.
Hydrotreated Heavy Petroleum Naphtha	64742-48-9	None.
Fatty acids, C9-13-neo-, cobalt salts	68955-83-9	ACGIH TLV (United States, 3/2019). Skin
		sensitizer. Inhalation sensitizer.
	05 00 0	TWA: 0.02 mg/m ³ , (as Co) 8 hours.
1,2,4-Trimethylbenzene	95-63-6	ACGIH TLV (United States, 3/2019).
		TWA: 25 ppm 8 hours. TWA: 123 mg/m ³ 8 hours.
		NIOSH REL (United States, 10/2016).
		TWA: 25 ppm 10 hours.
		TWA: 125 mg/m ³ 10 hours.
Cobalt Neodecanoate	27253-31-2	ACGIH TLV (United States, 3/2019). Skin
		sensitizer. Inhalation sensitizer.
		TWA: 0.02 mg/m³, (as Co) 8 hours.
Toluene	108-88-3	OSHA PEL Z2 (United States, 2/2013).
		TWA: 200 ppm 8 hours.
		CEIL: 300 ppm
		AMP: 500 ppm 10 minutes.
		NIOSH REL (United States, 10/2016).
		TWA: 100 ppm 10 hours. TWA: 375 mg/m ³ 10 hours.
		STEL: 150 ppm 15 minutes.
		STEL: 560 mg/m ³ 15 minutes.
		ACGIH TLV (United States, 3/2019).
		TWA: 20 ppm 8 hours.
Light Aromatic Hydrocarbons	64742-95-6	None.
2-(2-Methoxyethoxy)-ethanol	111-77-3	None.
Calcium 2-Ethylhexanoate	136-51-6	None.
1-Methyl-2-Pyrrolidone	872-50-4	AIHA WEEL (United States, 7/2018).
		Absorbed through skin.
	400.07.0	TWA: 10 ppm 8 hours.
1,3,5-Trimethylbenzene	108-67-8	ACGIH TLV (United States, 3/2019).
		TWA: 25 ppm 8 hours.
		TWA: 123 mg/m ³ 8 hours. NIOSH REL (United States, 10/2016).
		TWA: 25 ppm 10 hours.
		TWA: 25 ppm ronours.
Occupational exposure limits (Canada)		

Occupational exposure limits (Canada)

Section 8. Exposure controls/personal protection

Ingredient name	CAS #	Exposure limits
Petroleum refining, hydrotreated light distillate	64742-47-8	 CA British Columbia Provincial (Canada, 5/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 6/2018). Absorbed through skin. 8 hrs OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 1/2018). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours.
Petroleum refining, hydrotreated light distillate	64742-47-8	 CA British Columbia Provincial (Canada, 5/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 6/2018). Absorbed through skin. 8 hrs OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 1/2018). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours.
Medium aliphatic solvent naphtha (petroleum) C9-C12	64742-88-7	CA Ontario Provincial (Canada, 1/2018).
Zirconium 2-Ethylhexanoate	22464-99-9	TWA: 525 mg/m ³ 8 hours. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 5 mg/m ³ , (as Zr) 8 hours. 15 min OEL: 10 mg/m ³ , (as Zr) 15 minutes. CA British Columbia Provincial (Canada, 5/2019). TWA: 5 mg/m ³ , (as Zr) 8 hours. STEL: 10 mg/m ³ , (as Zr) 15 minutes. CA Quebec Provincial (Canada, 1/2014). TWAEV: 5 mg/m ³ , (as Zr) 8 hours. STEV: 10 mg/m ³ , (as Zr) 15 minutes. CA Ontario Provincial (Canada, 1/2018). STEL: 10 mg/m ³ , (as Zr) 15 minutes. TWA: 5 mg/m ³ , (as Zr) 15 minutes. TWA: 5 mg/m ³ , (as Zr) 15 minutes. TWA: 5 mg/m ³ , (as Zr) 8 hours.
Fatty acids, C9-13-neo-, cobalt salts	68955-83-9	CA Ontario Provincial (Canada, 1/2018). TWA: 0.02 mg/m ³ , (as Co) 8 hours. Form: Inorganic CA British Columbia Provincial (Canada, 5/2019). Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m ³ , (as Co, Total) 8 hours. CA Quebec Provincial (Canada, 1/2014). Skin sensitizer. TWAEV: 0.02 mg/m ³ , (as Co) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 0.06 mg/m ³ , (measured as Co) 15 minutes. TWA: 0.02 mg/m ³ , (measured as Co) 8 hours.
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Cobalt Neodecanoate	27253-31-2	CA Ontario Provincial (Canada, 1/2018).
		 TWA: 0.02 mg/m³, (as Co) 8 hours. Form: Inorganic CA British Columbia Provincial (Canada, 5/2019). Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m³, (as Co, Total) 8 hours. CA Quebec Provincial (Canada, 1/2014). Skin sensitizer. TWAEV: 0.02 mg/m³, (as Co) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 0.06 mg/m³, (measured as Co) 15 minutes. TWA: 0.02 mg/m³, (measured as Co) 8 hours.
Toluene	108-88-3	 CA Alberta Provincial (Canada, 6/2018). Absorbed through skin. 8 hrs OEL: 50 ppm 8 hours. 8 hrs OEL: 188 mg/m³ 8 hours. CA British Columbia Provincial (Canada, 5/2019). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 1/2018). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). Absorbed through skin. TWAEV: 50 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.
N-Methyl pyrrolidone	872-50-4	CA Ontario Provincial (Canada, 1/2018). TWA: 400 mg/m ³ 8 hours.

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
Light Aliphatic Hydrocarbon	64742-47-8	ACGIH TLV (United States, 3/2019). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.
Aliphatic Solvent	64742-47-8	ACGIH TLV (United States, 3/2019). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.
Zirconium 2-Ethylhexanoate	22464-99-9	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 5 mg/m ³ , (as Zr) 8 hours. STEL: 10 mg/m ³ , (as Zr) 15 minutes.
Fatty acids, C9-13-neo-, cobalt salts	68955-83-9	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 0.02 mg/m ³ , (as Co) 8 hours.
Cobalt Neodecanoate	27253-31-2	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 0.02 mg/m ³ , (as Co) 8 hours.
Toluene	108-88-3	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 20 ppm 8 hours.

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Section 8. Exposure controls/personal protection

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 ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measu	res
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of 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.
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	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

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Evaporation rate	: 0.13 (butyl acetate = 1)	
Flash point	: Closed cup: 46°C (114.8°F) [Pensky-Martens Closed Cup]	
Boiling point/boiling range	: 148°C (298.4°F)	
Melting point/freezing point	: Not available.	
рН	: Not available.	
Odor threshold	: Not available.	
Odor	: Not available.	
Color	: Not available.	
Physical state	: Liquid.	
<u>Appearance</u>		

10/19

Section 9. Physical and chemical properties

Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Lower: 1% Upper: 8.8%
Vapor pressure	: 0.17 kPa (1.27 mm Hg) [at 20°C]
Vapor density	: 5 [Air = 1]
Relative density	: 0.88
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): <0.205 cm ² /s (<20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 25.683 kJ/g

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	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Zirconium 2-Ethylhexanoate	LD50 Dermal	Rabbit	>5 g/kg	-	
	LD50 Oral	Rat	>5 g/kg	-	
Hydrotreated Heavy	LC50 Inhalation Vapor	Rat	8500 mg/m ³	4 hours	
Petroleum Naphtha			-		
	LD50 Oral	Rat	>6 g/kg	-	
1,2,4-Trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m ³	4 hours	
	LD50 Oral	Rat	5 g/kg	-	
Toluene	LC50 Inhalation Vapor	Rat	49 g/m ³	4 hours	
	LD50 Oral	Rat	636 mg/kg	-	
Light Aromatic Hydrocarbons	LD50 Oral	Rat	8400 mg/kg	-	
1-Methyl-2-Pyrrolidone	LD50 Dermal	Rabbit	8 g/kg	-	
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1,3,5-Trimethylbenzene	LD50 Oral LC50 Inhalation Vapor LD50 Oral		Rat		3914 mg/kg 24000 mg/m ³ 5000 mg/kg	- 4 hours -
ritation/Corrosion		•				
Product/ingredient name	Result	Speci	ies	Score	Exposure	Observation
oluene	Eyes - Mild irritant Rabbi		t	-	0.5 minutes 100 mg	-
	Eyes - Mild irritant	Rabbi	t	-	870 ug	-
	Eyes - Severe irritant	Rabbi	t	-	24 hours 2 mg	-
	Skin - Mild irritant	Pig		-	24 hours 250 UI) _
	Skin - Mild irritant	Rabbi	t	-	435 mg	-
	Skin - Moderate irritant	Rabbi	t	-	24 hours 20 mg	-
	Skin - Moderate irritant	Rabbi	t	-	500 mg	-
ight Aromatic Hydrocarbons	Eyes - Mild irritant	Rabbi	t	-	24 hours 100 UI	-
2-(2-Methoxyethoxy)-ethanol	Eyes - Mild irritant	Rabbi	t	-	24 hours 500 mg) -
	Eyes - Moderate irritant	Rabbi	t	-	500 mg	-
1-Methyl-2-Pyrrolidone	Eyes - Moderate irritant	Rabbi	t	-	100 mg	-
1,3,5-Trimethylbenzene	Eyes - Mild irritant	Rabbi	t	-	24 hours 500) -

Rabbit

_

mg

mg

24 hours 20

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Fatty acids, C9-13-neo-, cobalt salts	-	2B	Reasonably anticipated to be a human carcinogen.
Cobalt Neodecanoate Toluene	-	2B 3	Reasonably anticipated to be a human carcinogen. -

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

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Skin - Moderate irritant

Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Light Aliphatic Hydrocarbon	Category 3	Not applicable.	Narcotic effects
	Category 3	Not applicable.	Respiratory tract irritation
Aliphatic Solvent	Category 3	Not applicable.	Narcotic effects
	Category 3	Not applicable.	Respiratory tract irritation
Med. Aliphatic Hydrocarbon Solvent	Category 3	Not applicable.	Narcotic effects
	Category 3	Not applicable.	Respiratory tract irritation
Hydrotreated Heavy Petroleum Naphtha	Category 3	Not applicable.	Narcotic effects
	Category 3	Not applicable.	Respiratory tract irritation
Fatty acids, C9-13-neo-, cobalt salts	Category 3	Not applicable.	Respiratory tract irritation
1,2,4-Trimethylbenzene	Category 3	Not applicable.	Respiratory tract irritation
Toluene	Category 3	Not applicable.	Narcotic effects
	Category 3	Not applicable.	Respiratory tract irritation
Light Aromatic Hydrocarbons	Category 3	Not applicable.	Narcotic effects
-	Category 3	Not applicable.	Respiratory tract irritation
2-(2-Methoxyethoxy)-ethanol	Category 3	Not applicable.	Narcotic effects
	Category 3	Not applicable.	Respiratory tract irritation
1-Methyl-2-Pyrrolidone	Category 3	Not applicable.	Respiratory tract irritation
1,3,5-Trimethylbenzene	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Light Aliphatic Hydrocarbon	Category 2	Not determined	Not determined
Aliphatic Solvent	Category 2	Not determined	Not determined
Med. Aliphatic Hydrocarbon Solvent	Category 1	Not determined	Not determined
Hydrotreated Heavy Petroleum Naphtha	Category 2	Not determined	Not determined
Toluene	Category 2	Not determined	Not determined
Light Aromatic Hydrocarbons	Category 2	Not determined	Not determined
2-(2-Methoxyethoxy)-ethanol	Category 2	Not determined	Not determined

Aspiration hazard

Name	Result
Light Aliphatic Hydrocarbon	ASPIRATION HAZARD - Category 1
Aliphatic Solvent	ASPIRATION HAZARD - Category 1
Med. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1
Hydrotreated Heavy Petroleum Naphtha	ASPIRATION HAZARD - Category 1
1,2,4-Trimethylbenzene	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1
Light Aromatic Hydrocarbons	ASPIRATION HAZARD - Category 1
1,3,5-Trimethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely : Not available. routes of exposure

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Section 11. Toxicological information

Section 11. TOXIC		
Potential acute health effe		
Eye contact	o known significant effects or critical hazards.	
Inhalation	an cause central nervous system (CNS) depression. May cause drowsiness or izziness. May cause respiratory irritation. May cause allergy or asthma symptoms or reathing difficulties if inhaled.	r
Skin contact	lay cause an allergic skin reaction.	
Ingestion	an cause central nervous system (CNS) depression. May be fatal if swallowed and nters airways.	
	cal, chemical and toxicological characteristics	
Eye contact	o specific data.	
Inhalation	dverse symptoms may include the following: espiratory tract irritation oughing heezing and breathing difficulties sthma ausea or vomiting eadache rowsiness/fatigue izziness/vertigo nconsciousness educed fetal weight icrease in fetal deaths keletal malformations	
Skin contact	dverse symptoms may include the following: ritation edness educed fetal weight icrease in fetal deaths keletal malformations	
Ingestion	dverse symptoms may include the following: ausea or vomiting educed fetal weight icrease in fetal deaths keletal malformations	
Delayed and immediate ef	and also chronic effects from short and long term exposure	
Short term exposure		
Potential immediate effects	ot available.	
Potential delayed effects	ot available.	
Long term exposure		
Potential immediate	ot available.	

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General		Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity		Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	÷	No known significant effects or critical hazards.

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Section 11. Toxicological information

Teratogenicity Developmental effects Fertility effects : May damage the unborn child.

- : No known significant effects or critical hazards.
- : Suspected of damaging fertility.

Numerical measures of toxicity Acute toxicity estimates Not available.

Section 12. Ecological information

т	oxi	c	itv
-			

Product/ingredient name	Result	Species	Exposure
Light Aliphatic Hydrocarbon	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days
Aliphatic Solvent	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days
1,2,4-Trimethylbenzene	Acute LC50 4910 µg/l Marine water	Crustaceans - Elasmopus pectenicrus - Adult	48 hours
	Acute LC50 7720 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Toluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 μg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
2-(2-Methoxyethoxy)-ethanol	Acute EC50 >930 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 7500000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
1-Methyl-2-Pyrrolidone	Acute LC50 1.23 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 832 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
1,3,5-Trimethylbenzene	Acute LC50 13000 µg/l Marine water	Crustaceans - Cancer magister - Zoea	48 hours
	Acute LC50 12520 µg/l Fresh water	Fish - Carassius auratus	96 hours
	Chronic NOEC 400 µg/l Fresh water	Daphnia - Daphnia magna	21 days

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Toluene	-	-	Readily
Light Aromatic Hydrocarbons	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Zirconium 2-Ethylhexanoate	-	2.96	low
Hydrotreated Heavy	-	10 to 2500	high
Petroleum Naphtha			
1,2,4-Trimethylbenzene	-	243	low
Cobalt Neodecanoate	-	15600	high
Toluene	-	90	low
Light Aromatic Hydrocarbons	-	10 to 2500	high
Calcium 2-Ethylhexanoate	-	2.96	low
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Section 12. Ecol	ogical informatio	on		
1,3,5-Trimethylbenzene	-	161	low	
<u>Mobility in soil</u>				

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Other adverse effects

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 with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ΙΑΤΑ	IMDG
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT. Marine pollutant (Light Aliphatic Hydrocarbon, Med. Aliphatic Hydrocarbon Solvent)
Transport	3	3	3	3	3
hazard class(es)	TANDITE UNIT				
Packing group	III	Ш	Ш	Ш	Ш
Environmental hazards	No.	No.	No.	Yes. The environmentally hazardous substance mark is not required.	Yes.
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Section 14. Transport information

	nanoportini	ormation			
Additional information	This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft.	Product classified as per the following sections of the Transportation of Dangerous Goods		The environmentally hazardous substance mark may appear if required by other	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
	Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.	Regulations: 2.18-2.19 (Class 3).		transportation regulations.	<u>Emergency</u> <u>schedules</u> F-E, S- E
	ERG No.	ERG No.	ERG No.		
	128	128	128		

Special precautions for user : 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.

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

Proper shipping name	: Not available.
Ship type	: Not available.
Pollution category	: Not available.

Section 15. Regulatory information

TSCA 5(a)2 proposed significant new use rules: 1-Methyl-2-Pyrrolidone

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

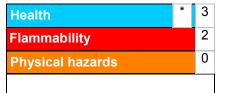
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

International lists	: Australia inventory (AICS): Not determined.
	China inventory (IECSC): Not determined.
	Japan inventory (ENCS): Not determined.
	Japan inventory (ISHL): Not determined.
	Korea inventory (KECI): Not determined.
	New Zealand Inventory of Chemicals (NZIoC): Not determined.
	Philippines inventory (PICCS): Not determined.
	Taiwan Chemical Substances Inventory (TCSI): Not determined.
	Thailand inventory: Not determined.
	Turkey inventory: Not determined.
	Vietnam inventory: Not determined.
	notionali intentery. Not actornined.

Section 16. Other information

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



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.

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 and the associated label are not required on SDSs or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
RESPIRATORY SENSITIZATION - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION (Unborn child) - Category 1B	Calculation method
TOXIC TO REPRODUCTION (Fertility) - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract	Calculation method
irritation) - Category 3	
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -	Calculation method
Category 3	
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

History

motory	
Date of printing	: 5/12/2020
Date of issue/Date of revision	: 5/12/2020
Date of previous issue	: 3/3/2020
Version	: 12.01
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

Section 16. Other information

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 the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buver/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.