SAFETY DATA SHEET

2022

Section 1. Identification

Product name	: KRYLON® Farm & Implement Paint Low Gloss Black
Product code	: 2022
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	: Krylon Products Group 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (216) 566-2917 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: (800) 457-9566 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (216) 566-2917 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	 FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1A TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 12.4% (oral), 12.4% (dermal), 17.6% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Danger

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Section 2. Hazards identification

Section 2. Hazard	
Hazard statements	 Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. 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. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.
	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.

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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
Calcium Carbonate	≥25 - ≤50	1317-65-3
Light Aliphatic Hydrocarbon	≤11	64742-47-8
Methyl Acetate	≤5.5	79-20-9
Heavy Aliphatic Solvent	≤1.5	64742-47-8
2-methoxy-1-methylethyl acetate	≤1.2	108-65-6
Carbon Black	≤1	1333-86-4
Light Aromatic Hydrocarbons	<1	64742-95-6
Crystalline Silica, respirable powder	≤0.3	14808-60-7
Zirconium 2-Ethylhexanoate	≤0.3	22464-99-9
Methyl Ethyl Ketoxime	≤0.3	96-29-7
trimethylbenzene	≤0.3	25551-13-7
Hydrotreated Heavy Petroleum Naphtha	≤0.3	64742-48-9
Cobalt 2-Ethylhexanoate	≤0.3	136-52-7

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 and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Section 4. First aid measures

Most important symptoms/e	effects, acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: May be fatal if swallowed and enters airways.
<u>Over-exposure signs/symp</u>	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing 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	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is 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.

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Section 5. Fire-fighting measures

Specific hazards arising from the chemical	: Highly 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 nitrogen oxides 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.
Remark	: Flammable liquid.

Section 6. Accidental release measures

Personal precautions, protect	tive 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	ntainment 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 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		
Calcium Carbonate	1317-65-3	OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust NIOSH REL (United States, 10/2020). [calcium carbonate] TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total		
Light Aliphatic Hydrocarbon	64742-47-8	ACGIH TLV (United States, 1/2023). [Kerosene as total hydrocarbon vapor] Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.		
Methyl Acetate	79-20-9	ACGIH TLV (United States, 1/2023). TWA: 200 ppm 8 hours. TWA: 606 mg/m ³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 757 mg/m ³ 15 minutes. NIOSH REL (United States, 10/2020). TWA: 200 ppm 10 hours. TWA: 610 mg/m ³ 10 hours.		
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		STEL: 250 ppm 15 minutes. STEL: 760 mg/m ³ 15 minutes. OSHA PEL (United States, 5/2018). TWA: 200 ppm 8 hours. TWA: 610 mg/m ³ 8 hours.
Heavy Aliphatic Solvent	64742-47-8	ACGIH TLV (United States, 1/2023). [Kerosene as total hydrocarbon vapor] Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon
2-methoxy-1-methylethyl acetate	108-65-6	vapor) 8 hours. OARS WEEL (United States, 4/2022).
Carbon Black	1333-86-4	TWA: 50 ppm 8 hours. NIOSH REL (United States, 10/2020). TWA: 3.5 mg/m ³ 10 hours. OSHA PEL (United States, 5/2018). TWA: 3.5 mg/m ³ 8 hours. ACGIH TLV (United States, 1/2023). TWA: 3 mg/m ³ 8 hours. Form: Inhalable fraction
Light Aromatic Hydrocarbons Crystalline Silica, respirable powder	64742-95-6 14808-60-7	None. OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / (%SiO2+5) 8 hours. Form Respirable TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form Respirable OSHA PEL (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m³ 8 hours. Form: Respirable dust ACGIH TLV (United States, 1/2023). [Silica, crystalline] TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2020). [SILICA, CRYSTALLINE (AS RESPIRABLE DUST)] TWA: 0.05 mg/m³ 10 hours. Form: respirable
Zirconium 2-Ethylhexanoate	22464-99-9	ACGIH TLV (United States, 1/2023). [Zirconium and compounds as Zr] TWA: 5 mg/m ³ , (as Zr) 8 hours. STEL: 10 mg/m ³ , (as Zr) 15 minutes. NIOSH REL (United States, 10/2020). [zirconium compounds as Zr] TWA: 5 mg/m ³ , (as Zr) 10 hours. STEL: 10 mg/m ³ , (as Zr) 15 minutes. OSHA PEL (United States, 5/2018). [Zirconium compounds (as Zr)] TWA: 5 mg/m ³ , (as Zr) 8 hours.
Methyl Ethyl Ketoxime	96-29-7	OARS WEEL (United States, 4/2022). Skin sensitizer. TWA: 10 ppm 8 hours.
trimethylbenzene	25551-13-7	ACGIH TLV (United States, 1/2023). [trimethyl benzene, isomers] TWA: 10 ppm 8 hours.
Hydrotreated Heavy Petroleum Naphtha Cobalt 2-Ethylhexanoate	64742-48-9 136-52-7	None. ACGIH TLV (United States, 1/2023). [coba

	and inorganic compounds as Co] Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m³, (as Co) 8 hours.
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Petroleum refining, hydrotreated light distillate	64742-47-8	 CA British Columbia Provincial (Canada, 6/2022). [Kerosene/Jet fuels as total hydrocarbon vapour] Absorbed through skin. Notes: Application restricted to conditions in which there are negligible aerosol exposures. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 6/2018). [Kerosene/Jet fuels as total hydrocarbon vapour] Absorbed through skin. 8 hrs OEL: 200 mg/m³, (as total hydrocarbor vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbor vapour) 8 hours.
Methyl acetate	79-20-9	 CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 606 mg/m³ 8 hours. 15 min OEL: 757 mg/m³ 15 minutes. 15 min OEL: 250 ppm 15 minutes. 8 hrs OEL: 200 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Quebec Provincial (Canada, 6/2022). TWAEV: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Quebec Provincial (Canada, 6/2022). TWAEV: 200 ppm 8 hours. STEV: 757 mg/m³ 15 minutes. STEV: 757 mg/m³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 250 ppm 15 minutes. TWA: 200 ppm 8 hours.
Petroleum refining, hydrotreated light distillate	64742-47-8	CA British Columbia Provincial (Canada, 6/2022). [Kerosene/Jet fuels as total hydrocarbon vapour] Absorbed through skin. Notes: Application restricted to conditions in which there are negligible aerosol exposures. TWA: 200 mg/m ³ , (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 6/2018). [Kerosene/Jet fuels as total hydrocarbon vapour] Absorbed through skin. 8 hrs OEL: 200 mg/m ³ , (as total hydrocarbon

Carbon black	1333-86-4	 vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 3 mg/m³ 8 hours. Form: Inhalable CA Ontario Provincial (Canada, 6/2019). TWA: 3 mg/m³ 8 hours. Form: Inhalable particulate matter.
		 CA Quebec Provincial (Canada, 6/2022). TWAEV: 3 mg/m³ 8 hours. Form: inhalable dust CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 3.5 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 7 mg/m³ 15 minutes. TWA: 3.5 mg/m³ 8 hours.
Quartz	14808-60-7	CA British Columbia Provincial (Canada, 6/2022). [Silica, Crystalline - alpha quartz and Cristobalite Respirable] TWA: 0.025 mg/m ³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2022). [Silica Crystalline -Quartz] TWAEV: 0.1 mg/m ³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m ³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). [Silica, Crystalline (Quartz/Tripoli)] TWA: 0.1 mg/m ³ 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m ³ 8 hours. Form: respirable fraction
Zirconium 2-Ethylhexanoate	22464-99-9	CA Alberta Provincial (Canada, 6/2018). [Zirconium and compounds as Zr] 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, 6/2022). [Zirconium and compounds as Zr] TWA: 5 mg/m ³ , (as Zr) 8 hours. STEL: 10 mg/m ³ , (as Zr) 15 minutes. CA Quebec Provincial (Canada, 6/2022). [Zirconium and compounds] TWAEV: 5 mg/m ³ , (as Zr) 8 hours. STEV: 10 mg/m ³ , (as Zr) 15 minutes. CA Ontario Provincial (Canada, 6/2019). [Zirconium and compounds as Z] STEL: 10 mg/m ³ , (as Zr) 15 minutes. TWA: 5 mg/m ³ , (as Zr) 8 hours.
Methyl Ethyl Ketoxime	96-29-7	OARS WEEL (United States, 4/2022). Skin
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		sensitizer. TWA: 10 ppm 8 hours.
Cobalt 2-Ethylhexanoate	136-52-7	CA British Columbia Provincial (Canada, 6/2022). [cobalt and inorganic compounds as Co, Inhalable] Skin sensitizer. Inhalation sensitizer. Notes: No British Columbia exposure limit at this time
		CA British Columbia Provincial (Canada, 6/2022). [Cobalt and inorganic compounds as Co, Total] Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m ³ , (as Co, Total) 8 hours. CA Quebec Provincial (Canada, 6/2022). [Cobalt elemental, and inorganic compounds] Skin sensitizer. Inhalation sensitizer. TWAEV: 0.02 mg/m ³ , (as Co) 8 hours. CA Ontario Provincial (Canada, 6/2019). [Cobalt and inorganic compounds as Co] TWA: 0.02 mg/m ³ , (as Co) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Cobalt and inorganic compounds as Co] STEL: 0.06 mg/m ³ , (measured as Co) 15 minutes. TWA: 0.02 mg/m ³ , (measured as Co) 8 hours.

Occupational exposure limits (Mexico)

	CAS #	Exposure limits		
Light Aliphatic Hydrocarbon	64742-47-8	ACGIH TLV (United States, 1/2023). [Kerosene as total hydrocarbon vapor] Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.		
Methyl Acetate	79-20-9	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes.		
Heavy Aliphatic Solvent	64742-47-8			
Zirconium 2-Ethylhexanoate	22464-99-9	NOM-010-STPS-2014 (Mexico, 4/2016). [Zirconium compounds] TWA: 5 mg/m ³ , (as Zr) 8 hours. STEL: 10 mg/m ³ , (as Zr) 15 minutes.		
Cobalt 2-Ethylhexanoate	136-52-7	NOM-010-STPS-2014 (Mexico, 4/2016). [Cobalt and inorganic compounds] TWA: 0.02 mg/m³, (as Co) 8 hours.		

Biological exposure indices (United States)

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Ingredient name	Exposure indices		
Cobalt 2-Ethylhexanoate	ACGIH BEI (United States, 1/2023) [cobalt and inorganic compounds including cobalt oxides] BEI: 15 μg/l, not combined with tungsten carbide - cobalt [in urine]. Sampling time: end of shift at end of workweek. BEI: Nonquantitative: Biological monitoring should be considered for this compound based on the review; however, a specific BEI® could not be determined due to insufficient data., cobalt with tungsten carbide - cobalt [in urine]. Sampling time: end of shift at end of workweek.		

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

Ingredient name	Exposure indices
Cobalt 2-Ethylhexanoate	Official Mexican STANDARD NOM- 047-SSA1-2011, Environmental Health- Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) [cobalt and its compounds]BEI: 1 µg/l [Basal level. The determinant may be present in the biological sample obtained from subjects who have not been occupationally exposed, at a concentration that could affect the interpretation of the results. These background levels are included in the valu; semi-quantitative. The biological determinant is an indicator of chemical exposure, but the quantitative interpretation of the measure is ambiguous. These biological determinants should be used as a screening test if a quantitative test is not possible.], cobalt [in blood]. Sampling time: at the end of the shift at the end of the work week.BEI: 15 µg/l [Basal level. The determinant may be present in the biological sample obtained from subjects who have not been occupationally exposed, at a concentration that could affect the interpretation of the shift at the end of the work week.BEI: 15 µg/l [Basal level. The determinant may be present in the biological sample obtained from subjects who have not been occupationally exposed, at a concentration that could affect the interpretation of the results. These background levels are included in the valu], cobalt [in urine]. Sampling time: at the end of the shift at the end of the work week.

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.

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Environmental exposure controls	they comply w cases, fume s	m ventilation or work process equipment should be checked to ensure vith the requirements of environmental protection legislation. In some scrubbers, filters or engineering modifications to the process equipment sary to reduce emissions to acceptable levels.
Individual protection measu	2	
Hygiene measures	eating, smoki Appropriate te Contaminated contaminated	forearms and face thoroughly after handling chemical products, before ng and using the lavatory and at the end of the working period. echniques should be used to remove potentially contaminated clothing. I work clothing should not be allowed out of the workplace. Wash clothing before reusing. Ensure that eyewash stations and safety close to the workstation location.
Eye/face protection	assessment in gases or dust	ar complying with an approved standard should be used when a risk ndicates this is necessary to avoid exposure to liquid splashes, mists, s. If contact is possible, the following protection should be worn, unless ent indicates a higher degree of protection: chemical splash goggles.
Skin protection		
Hand protection	worn at all tim necessary. C during use tha noted that the glove manufa	stant, impervious gloves complying with an approved standard should be les when handling chemical products if a risk assessment indicates this is onsidering the parameters specified by the glove manufacturer, check at the gloves are still retaining their protective properties. It should be time to breakthrough for any glove material may be different for different cturers. In the case of mixtures, consisting of several substances, the e of the gloves cannot be accurately estimated.
Body protection	performed an handling this static protecti	ective equipment for the body should be selected based on the task being d the risks involved and should be approved by a specialist before product. When there is a risk of ignition from static electricity, wear anti- ve clothing. For the greatest protection from static discharges, clothing e anti-static overalls, boots and gloves.
Other skin protection	based on the	botwear and any additional skin protection measures should be selected task being performed and the risks involved and should be approved by a bre handling this product.
Respiratory protection	appropriate st	hazard and potential for exposure, select a respirator that meets the candard or certification. Respirators must be used according to a otection program to ensure proper fitting, training, and other important e.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 55°C (131°F)
Flash point	: Closed cup: -12°C (10.4°F) [Pensky-Martens Closed Cup]
Evaporation rate	: 5.3 (butyl acetate = 1)
Flammability	: Flammable liquid.

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Section 9. Physical and chemical properties

beetten er rigerear and enemear properties					
Lower and upper explosion limit/flammability limit		: Lower: 1% Upper: 16%			
Vapor pressure	: 22.8	8 kPa (171 mm Hg)			
Relative vapor density	: 2.6	[Air = 1]			
Relative density	: 1.4	3			
Solubility(ies)	:				
Media		Result			
cold water		Not soluble			
Partition coefficient: n- octanol/water					
Auto-ignition temperature : Not available.					
Decomposition temperature : Not available.					
Viscosity	: Kir	nematic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt)			

Molecular weight	: Not applicable.
Heat of combustion	: 8.633 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	tovi	city
Acute	IUA	City

Product/ingredient name	Result		Species	Dose	Exposure	
Methyl Acetate	LD50 Dermal		Rabbit	>5 g/kg	-	
	LD50 Oral		Rat	>5 g/kg	-	
2-methoxy-1-methylethyl acetate	LD50 Dermal		Rabbit	>5 g/kg	-	
	LD50 Oral		Rat	8532 mg/kg	-	
Carbon Black	LD50 Oral		Rat	>15400 mg/kg	-	
Light Aromatic Hydrocarbons	LD50 Oral		Rat	8400 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	-	
trimethylbenzene	LD50 Oral		Rat	8970 mg/kg	-	
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Section 11. Toxicological information							
Hydrotreated Heavy Petroleum Naphtha	LC50 Inhalation Vapor	Rat	8500 mg/m ³	4 hours			
Cobalt 2-Ethylhexanoate	LD50 Oral LD50 Dermal LD50 Oral	Rat Rabbit Rat	>6 g/kg >5 g/kg 1.22 g/kg	- - -			

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Methyl Acetate	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
-				mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				mg	
Light Aromatic Hydrocarbons	Eyes - Mild irritant	Rabbit	-	24 hours 100	-
				uL	
Methyl Ethyl Ketoxime	Eyes - Severe irritant	Rabbit	-	100 uL	-
trimethylbenzene	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Carbon Black	-	2B	-
Crystalline Silica, respirable powder	+	1	Known to be a human carcinogen.
Cobalt 2-Ethylhexanoate	-	2B	Reasonably anticipated to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name		Catego	ory	Route of exposure	Target organs
Calcium Carbonate		Catego	ry 3	-	Respiratory tract
Light Aliphatic Hydroca	bon	Catego	ry 3	-	Respiratory tract irritation
		Catego	ry 3		Narcotic effects
Methyl Acetate		Catego	ry 3	-	Narcotic effects
Heavy Aliphatic Solven		Catego	ry 3	-	Respiratory tract irritation
		Catego	ry 3		Narcotic effects
2-methoxy-1-methyleth	/l acetate	Catego		-	Narcotic effects
Light Aromatic Hydroca	rbons	Catego	ry 3	-	Respiratory tract
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Methyl Ethyl Ketoxime	Category 3 Category 1 -	irritation Narcotic effects upper respiratory tract
	Category 3	Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Light Aliphatic Hydrocarbon	Category 2	-	-
Heavy Aliphatic Solvent	Category 2	-	-
Light Aromatic Hydrocarbons	Category 2	-	-
Crystalline Silica, respirable powder	Category 1	inhalation	-
Methyl Ethyl Ketoxime	Category 2	-	blood system

Aspiration hazard

Name	Result
Light Aliphatic Hydrocarbon	ASPIRATION HAZARD - Category 1
Heavy Aliphatic Solvent	ASPIRATION HAZARD - Category 1
Light Aromatic Hydrocarbons	ASPIRATION HAZARD - Category 1
trimethylbenzene	ASPIRATION HAZARD - Category 1
Hydrotreated Heavy Petroleum Naphtha	ASPIRATION HAZARD - Category 1

Information on the likely : Not available. routes of exposure

Potential acute health effects

Eye contact	÷	Causes serious eye irritation.
Inhalation	÷	May cause respiratory irritation.
Skin contact	÷	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	1	May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing 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

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Delayed and immediate ef	fects and also chronic effects from short and long term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health ef	ffects
Not available.	
General	: May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: Suspected of damaging the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: May damage fertility.
Numerical management of the	

Numerical measures of toxicity Acute toxicity estimates Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Light Aliphatic Hydrocarbon Methyl Acetate Heavy Aliphatic Solvent Methyl Ethyl Ketoxime trimethylbenzene	Acute LC50 2200 µg/l Fresh water Acute LC50 320000 µg/l Fresh water Acute LC50 2200 µg/l Fresh water Acute LC50 843000 µg/l Fresh water Acute LC50 5600 µg/l Marine water	Fish - Lepomis macrochirus Fish - Pimephales promelas Fish - Lepomis macrochirus Fish - Pimephales promelas Crustaceans - Palaemonetes pugio	4 days 96 hours 4 days 96 hours 48 hours

Persistence and degradability

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

Bioaccumulative potential

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Section 12. Ecological information

Product/ingredient name	LogPow	BCF	Potential
Light Aromatic Hydrocarbons	-	10 to 2500	High
Zirconium 2-Ethylhexanoate	-	2.96	Low
Methyl Ethyl Ketoxime	-	2.5 to 5.8	Low
Hydrotreated Heavy	-	10 to 2500	High
Petroleum Naphtha			_
Cobalt 2-Ethylhexanoate	-	15600	High

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 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
Transport hazard class(es)	3	3	3	3	3
Packing group	II	Ш	П	11	11
Environmental hazards	No.	No.	No.	No.	No.
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Section 14.	Transport in	formation			
Additional information	- <u>ERG No.</u> 128	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3). ERG No. 128	- <u>ERG No.</u> 128	-	<u>Emergency</u> <u>schedules</u> F-E, S- E
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 IMO instruments	-	r shipping name	: Not available.		
	Tobe	a sinpping name			

Section 15. Regulatory information

SARA 313

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

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

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists : Australia inventory (AIIC): Not determined. China inventory (IECSC): Not determined. Japan inventory (CSCL): 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.

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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 2	On basis of test data		
SKIN CORROSION/IRRITATION - Category 2	Calculation method		
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method		
SKIN SENSITIZATION - Category 1	Calculation method		
CARCINOGENICITY - Category 1A	Calculation method		
TOXIC TO REPRODUCTION - Category 1B	Calculation method		
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method		
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1	Calculation method Calculation method		

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<u>HISTOLY</u>	
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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

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,

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Section 16. Other information

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/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.