SAFETY DATA SHEET

4310

Section 1. Identification

Product name : TOUGH COAT® Advanced

Gloss Safety/OSHA Yellow

Product code : 4310

Other means of identification

: Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : Krylon Products Group

101 Prospect Avenue NW Cleveland, OH 44115

Emergency telephone number of the company

: US/Canada: (800) 424-9300

Mexico: CHEMTREC Mexico 800-681-9531. Available 24 hours and 365 days per year

Product Information Telephone Number

: US/Canada: (800) 247-3266

Mexico: Not Available

Transportation Emergency Telephone Number

: US/Canada: (800) 424-9300

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) (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 toxicity: 21.1%

(oral), 21.1% (dermal), 31.4% (inhalation)

GHS label elements

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Hazard pictograms







Signal word : Danger

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Section 2. Hazards identification

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 eve irritation.

May cause drowsiness or dizziness.

May cause cancer.

May damage fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

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. Do not eat, drink or smoke when using this product. 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

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. 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
Methyl Acetate	≥10 - ≤25	79-20-9
Light Aliphatic Hydrocarbon	≤10	64742-47-8
Calcium Carbonate	≤10	1317-65-3
Kaolin	≤10	1332-58-7
Titanium Dioxide	≤10	13463-67-7
Bismuth Vanadate	≤5	14059-33-7
Heavy Aliphatic Solvent	≤5	64742-47-8
2-methoxy-1-methylethyl acetate	≤3	108-65-6
Light Aromatic Hydrocarbons	<1	64742-95-6
Zirconium 2-Ethylhexanoate	≤1	22464-99-9
Methyl Ethyl Ketoxime	≤0.3	96-29-7
Hydrotreated Heavy Petroleum Naphtha	≤0.3	64742-48-9
trimethylbenzene	≤0.3	25551-13-7
Cobalt 2-Ethylhexanoate	≤0.3	136-52-7
1,2,4-Trimethylbenzene	≤0.3	95-63-6
Crystalline Silica, respirable powder	≤0.3	14808-60-7

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

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: 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.

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Section 4. First aid measures

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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

Skin contact : Causes skin irritation. 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/symptoms

Eye contact: Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

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 medical 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.

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Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing

media

: Do not use water jet.

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

halogenated compounds metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters Remark

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Flammable liquid.

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 nonemergency 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 containment and cleaning up

Small spill

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: 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.

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Section 6. Accidental release measures

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.

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.

including any incompatibilities

Conditions for safe storage, : 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	
Methyl Acetate	79-20-9	ACGIH TLV (United States, 7/2023). TWA: 200 ppm 8 hours. TWA: 606 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 757 mg/m³ 15 minutes. NIOSH REL (United States, 10/2020). TWA: 200 ppm 10 hours. TWA: 610 mg/m³ 10 hours. STEL: 250 ppm 15 minutes. STEL: 760 mg/m³ 15 minutes. OSHA PEL (United States, 5/2018).	

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TWA: 200 ppm 8 hours. TWA: 610 mg/m³ 8 hours. ACGIH TLV (United States, 7/20 [Kerosene] Absorbed through s TWA: 200 mg/m³, (as total hydro vapor) 8 hours. Calcium Carbonate 1317-65-3 OSHA PEL (United States, 5/20 TWA: 5 mg/m³ 8 hours. Form: R fraction TWA: 15 mg/m³ 8 hours. Form:	skin. ocarbon
Light Aliphatic Hydrocarbon 64742-47-8 ACGIH TLV (United States, 7/20 [Kerosene] Absorbed through s TWA: 200 mg/m³, (as total hydrovapor) 8 hours. Calcium Carbonate 1317-65-3 OSHA PEL (United States, 5/20 TWA: 5 mg/m³ 8 hours. Form: R fraction	skin. ocarbon
[Kerosene] Absorbed through s TWA: 200 mg/m³, (as total hydro vapor) 8 hours. Calcium Carbonate 1317-65-3 OSHA PEL (United States, 5/20 TWA: 5 mg/m³ 8 hours. Form: R fraction	skin. ocarbon
TWA: 200 mg/m³, (as total hydrovapor) 8 hours. Calcium Carbonate 1317-65-3 TWA: 200 mg/m³, (as total hydrovapor) 8 hours. OSHA PEL (United States, 5/20 TWA: 5 mg/m³ 8 hours. Form: Refraction	ocarbon
Vapor) 8 hours. Calcium Carbonate 1317-65-3 Vapor) 8 hours. OSHA PEL (United States, 5/20 TWA: 5 mg/m³ 8 hours. Form: R fraction	
Calcium Carbonate 1317-65-3 OSHÁ PEL (United States, 5/20' TWA: 5 mg/m³ 8 hours. Form: R fraction	40)
TWA: 5 mg/m³ 8 hours. Form: R fraction	40\
fraction	,
	≀espirable
T\M\lambda \cdot 15 ma/m ³ Q hours Form	
TWA. 15 mg/m o nours. Form.	Total dust
NIOSH REL (United States, 10/2	2020).
[calcium carbonate]	
TWA: 5 mg/m³ 10 hours. Form:	Respirable
fraction	·
TWA: 10 mg/m³ 10 hours. Form	: Total
Kaolin 1332-58-7 ACGIH TLV (United States, 7/20	
TWA: 2 mg/m³ 8 hours. Form: R	,
fraction	reshirable
	2020)
NIOSH REL (United States, 10/2	
TWA: 5 mg/m³ 10 hours. Form:	Respirable
fraction	. Total
TWA: 10 mg/m³ 10 hours. Form OSHA PEL (United States, 5/20	
	,
TWA: 5 mg/m³ 8 hours. Form: R	respirable
fraction	
TWA: 15 mg/m³ 8 hours. Form:	l otal dust
Titanium Dioxide 13463-67-7 OSHA PEL (United States, 5/20	18).
TWA: 15 mg/m ³ 8 hours. Form:	Total dust
ACGIH TLV (United States, 7/20)23).
TWA: 2.5 mg/m³ 8 hours. Form:	respirable
fraction, finescale particles	'
Bismuth Vanadate 14059-33-7 NIOSH REL (United States, 10/2	2020).
[VANADIUM DUST]	1020).
CEIL: 0.05 mg/m³, (as V) 15 mir	nutes Form:
Dust	lates. I offit.
Heavy Aliphatic Solvent 64742-47-8 ACGIH TLV (United States, 7/20	1231
[Kerosene] Absorbed through s	
TWA: 200 mg/m³, (as total hydro	ocarbon
vapor) 8 hours.	2000)
2-methoxy-1-methylethyl acetate 108-65-6 OARS WEEL (United States, 4/2	2022).
TWA: 50 ppm 8 hours.	
Light Aromatic Hydrocarbons 64742-95-6 None.	
Zirconium 2-Ethylhexanoate 22464-99-9 ACGIH TLV (United States, 7/20)23).
[Zirconium and compounds]	
TWA: 5 mg/m³, (as Zr) 8 hours.	
STEL: 10 mg/m³, (as Zr) 15 min	
NIOSH REL (United States, 10/2	2020).
[zirconium compounds]	
TWA: 5 mg/m³, (as Zr) 10 hours	
STEL: 10 mg/m³, (as Źr) 15 min	
	18).
STEL: 10 mg/m³, (as Źr) 15 min	18).
STEL: 10 mg/m³, (as Zr) 15 min OSHA PEL (United States, 5/20	-
STEL: 10 mg/m³, (as Zr) 15 min OSHA PEL (United States, 5/20 [Zirconium compounds] TWA: 5 mg/m³, (as Zr) 8 hours.	-
STEL: 10 mg/m³, (as Zr) 15 min OSHA PEL (United States, 5/20 [Zirconium compounds] TWA: 5 mg/m³, (as Zr) 8 hours. Methyl Ethyl Ketoxime 96-29-7 OARS WEEL (United States, 4/2	-
STEL: 10 mg/m³, (as Zr) 15 min OSHA PEL (United States, 5/20' [Zirconium compounds] TWA: 5 mg/m³, (as Zr) 8 hours. Methyl Ethyl Ketoxime 96-29-7 OARS WEEL (United States, 4/2 sensitizer.	
STEL: 10 mg/m³, (as Zr) 15 min OSHA PEL (United States, 5/20 [Zirconium compounds] TWA: 5 mg/m³, (as Zr) 8 hours. Methyl Ethyl Ketoxime 96-29-7 OARS WEEL (United States, 4/2	

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<u> </u>	<u> </u>	
trimethylbenzene	25551-13-7	ACGIH TLV (United States, 7/2023). [trimethyl benzene, isomers]
		TWA: 10 ppm 8 hours.
Cobalt 2-Ethylhexanoate	136-52-7	ACGIH TLV (United States, 7/2023). [cobalt and inorganic compounds] Skin sensitizer.
		Inhalation sensitizer.
		TWA: 0.02 mg/m³, (as Co) 8 hours.
1,2,4-Trimethylbenzene	95-63-6	NIOSH REL (United States, 10/2020).
		TWA: 25 ppm 10 hours.
		TWA: 125 mg/m³ 10 hours.
		ACGIH TLV (United States, 7/2023).
	1,1000,00,7	TWA: 10 ppm 8 hours.
Crystalline Silica, respirable powder	14808-60-7	OSHA PEL Z3 (United States, 6/2016).
		TWA: 250 mppcf / (%SiO ₂ +5) 8 hours. Form:
		Respirable
		TWA: 10 mg/m³ / (%SiO ₂ +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, 7/2023). [Silica,
		crystalline]
		TWA: 0.025 mg/m³ 8 hours. Form:
		Respirable fraction
		NIOSH REL (United States, 10/2020).
		[SILICA, CRYSTALLINE]
		TWA: 0.05 mg/m³ 10 hours. Form: respirable
		dust

Occupational exposure limits (Canada)

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Ingredient name	CAS#	Exposure limits
Methyl acetate	79-20-9	CA Alberta Provincial (Canada, 3/2023). OEL: 606 mg/m³ 8 hours. OEL: 757 mg/m³ 15 minutes. OEL: 250 ppm 15 minutes. OEL: 200 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). 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, 7/2023). TWAEV: 200 ppm 8 hours. TWAEV: 200 ppm 8 hours. STEV: 250 ppm 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, 8/2023). [Kerosene/Jet fuels] Absorbed through skin. Notes: Application restricted

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to conditions in which there are negligible aerosol exposures. TWA: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 3/2023), [Kerosene/Jet fuels] Absorbed through skin. OEL: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019), Absorbed through skin. TWA: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023), [kerosene/Jet fuels] Absorbed through skin. TWAEV: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023), [kerosene/Jet Powincial (Canada, 7/2023), TWAEV: 20 mg/m² 8 hours. Form: Respirable CA Quebec Provincial (Canada, 7/2023), TWAEV: 2 mg/m² 8 hours. Form: Respirable dust. CA Ontario Provincial (Canada, 7/2023), TWAEV: 2 mg/m² 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013), STEL: 4 mg/m² 15 minutes. Form: respirable fraction TWA: 2 mg/m² 8 hours. Form: respirable fraction CA British Columbia Provincial (Canada, 8/2023), Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. TWA: 2 mg/m² 8 hours. Form: Respirable amount of the value is for particulate matter containing no asbestos and less than 1% crystalline silica. TWA: 2 mg/m² 8 hours. Form: Respirable fraction CA British Columbia Provincial (Canada, 8/2023), Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. TWA: 20 mg/m² (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 3/2023), [Kerosene/Jet fuels] Absorbed through skin. OEL: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 3/2023), [Kerosene/Jet fuels] Absorbed through skin. TWA: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 3/2023), [Kerosene/Jet fuels] Absorbed through skin. TWA: 200 mg/m², (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 3/2023), [Kerosene/Jet fuels] Absorbed through skin. T	Section 8. Exposure controls/personal protection				
OEL: 2 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 7/2023). TWAEV: 2 mg/m³ 8 hours. Form: Respirable dust. CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 6/2019). STEL: 4 mg/m³ 15 minutes. Form: respirable fraction TWA: 2 mg/m³ 8 hours. Form: respirable fraction TWA: 2 mg/m³ 8 hours. Form: respirable fraction TWA: 2 mg/m³ 8 hours. Form: respirable fraction CA British Columbia Provincial (Canada, 8/2023). Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. TWA: 2 mg/m³ 8 hours. Form: Respirable CA British Columbia Provincial (Canada, 8/2023). [Kerosene/Jet fuels] 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, 3/2023). [Kerosene/Jet fuels] Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin. TWA: 200 mg/m³ 8 hours. CA Alberta Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin. TWAEV: 200 mg/m³ 8 hours. CA Alberta Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin. TWAEV: 200 mg/m² 8 hours. CA Alberta Provincial (Canada, 7/2023), [Kerosene] Absorbed through skin.			aerosol exposures. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 3/2023). [Kerosene/Jet fuels] Absorbed through skin. OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023). [kerosene] Absorbed through skin.		
8/2023). [Kerosene/Jet fuels] 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, 3/2023). [Kerosene/Jet fuels] Absorbed through skin. OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023). [kerosene] Absorbed through skin. TWAEV: 200 mg/m³ 8 hours. Zirconium 2-Ethylhexanoate 22464-99-9 CA Alberta Provincial (Canada, 3/2023). [Zirconium and compounds]	Kaolin	1332-58-7	OEL: 2 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 7/2023). TWAEV: 2 mg/m³ 8 hours. Form: Respirable dust. CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 4 mg/m³ 15 minutes. Form: respirable fraction TWA: 2 mg/m³ 8 hours. Form: respirable fraction CA British Columbia Provincial (Canada, 8/2023). Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica.		
[Zirconium and compounds]			CA British Columbia Provincial (Canada, 8/2023). [Kerosene/Jet fuels] 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, 3/2023). [Kerosene/Jet fuels] Absorbed through skin. OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Quebec Provincial (Canada, 7/2023). [kerosene] Absorbed through skin. TWAEV: 200 mg/m³ 8 hours.		
	Zirconium 2-Ethylhexanoate	22464-99-9	[Zirconium and compounds]		

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OEL: 10 mg/m³, (as Zr) 15 minutes. CA British Columbia Provincial (Canada, 8/2023). [Zirconium and compounds] TWA: 5 mg/m³, (as Zr) 8 hours. STEL: 10 mg/m³, (as Zr) 15 minutes. CA Quebec Provincial (Canada, 7/2023). [Zirconium and compounds] TWAEV: 5 mg/m³, (as Zr) 8 hours. STEV: 10 mg/m³, (as Zr) 15 minutes. CA Ontario Provincial (Canada, 6/2019). [Zirconium and compounds] STEL: 10 mg/m³. (as Zr) 15 minutes. TWA: 5 mg/m³, (as Zr) 8 hours. OARS WEEL (United States, 4/2022). Skin Methyl Ethyl Ketoxime 96-29-7 sensitizer. TWA: 10 ppm 8 hours. 136-52-7 CA British Columbia Provincial (Canada, Cobalt 2-Ethylhexanoate 8/2023). [cobalt and inorganic compounds (inhalable)] Skin sensitizer. Inhalation sensitizer. Notes: No British Columbia exposure limit at this time CA British Columbia Provincial (Canada, 8/2023). [Cobalt and inorganic compounds] Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m³, (as Co) 8 hours. Form: CA Quebec Provincial (Canada, 7/2023). [Cobalt elemental, and inorganic compounds] Skin sensitizer. Inhalation TWAEV: 0.02 mg/m³, (as Co) 8 hours. CA Ontario Provincial (Canada, 6/2019). [Cobalt and inorganic compounds] TWA: 0.02 mg/m³, (as Co) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Cobalt and inorganic compounds] STEL: 0.06 mg/m³, (measured as Co) 15 minutes. TWA: 0.02 mg/m³, (measured as Co) 8 hours. Quartz 14808-60-7 CA British Columbia Provincial (Canada, 8/2023). [Silica, Crystalline - alpha quartz and Cristobalite TWA: 0.025 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 7/2023). [Silica Crystalline -Quartz] TWAEV: 0.1 mg/m³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 3/2023). OEL: 0.025 mg/m³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). [Silica, Crystalline (Quartz/Tripoli)] TWA: 0.1 mg/m³ 8 hours. Form: Respirable particulate matter.

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CA Saskatchewan Provincial (Canada,
7/2013).
TWA: 0.05 mg/m³ 8 hours. Form: respirable
fraction

Occupational exposure limits (Mexico)

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

Biological exposure indices (United States)

Ingredient name	Exposure indices
Cobalt 2-Ethylhexanoate	ACGIH BEI (United States, 7/2023) [cobalt and inorganic compounds including cobalt oxides] BEI: 15 µg/I, 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/I [Basal level.The determinant may be present in the biological sample obtained

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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 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.

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 measures

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: chemical splash goggles.

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 antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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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

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

Appearance

Physical state : Liquid. Color : Yellow.

Odor : Not available. : Not available. Odor threshold pН : Not applicable. **Melting point/freezing point** : Not available. **Boiling point, initial boiling** : 55°C (131°F)

point, and boiling range

Flash point : Closed cup: -12°C (10.4°F) [Pensky-Martens Closed Cup]

Evaporation rate : 5.3 (butyl acetate = 1) : Flammable liquid. **Flammability**

Lower and upper explosion limit/flammability limit

: Lower: 1% Upper: 16%

: 22.8 kPa (171 mm Hg) Vapor pressure

Relative vapor density : 2.6 [Air = 1]

1.19 Relative density

Solubility(ies)

Media	Result
cold water	Not soluble

Partition coefficient: n-

octanol/water

: Not applicable.

Auto-ignition temperature : Not available. **Decomposition temperature** : Not available.

Kinematic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt) **Viscosity**

Molecular weight Not applicable. Heat of combustion : 12.265 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

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: Under normal conditions of storage and use, hazardous reactions will not occur.

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Section 10. Stability and reactivity

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
Methyl Acetate	LD50 Dermal	Rabbit	>5 g/kg	-
_	LD50 Oral	Rat	>5 g/kg	-
2-methoxy-1-methylethyl	LD50 Dermal	Rabbit	>5 g/kg	-
acetate				
	LD50 Oral	Rat	8532 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	-
Hydrotreated Heavy	LC50 Inhalation Vapor	Rat	8500 mg/m ³	4 hours
Petroleum Naphtha				
	LD50 Oral	Rat	>6 g/kg	-
trimethylbenzene	LD50 Oral	Rat	8970 mg/kg	-
Cobalt 2-Ethylhexanoate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	1.22 g/kg	-
1,2,4-Trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m ³	4 hours
	LD50 Oral	Rat	5 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	
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
				ug I	
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.

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Section 11. Toxicological information

Carcinogenicity

Not available.

Classification

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

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Methyl Acetate	Category 3	-	Narcotic effects
Light Aliphatic Hydrocarbon	Category 3	-	Narcotic effects
Calcium Carbonate	Category 3	-	Respiratory tract irritation
Heavy Aliphatic Solvent	Category 3	-	Narcotic effects
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
Light Aromatic Hydrocarbons	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Methyl Ethyl Ketoxime	Category 1	-	upper respiratory tract
	Category 3		Narcotic effects
1,2,4-Trimethylbenzene	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Kaolin Methyl Ethyl Ketoxime Crystalline Silica, respirable powder	Category 1 Category 2 Category 1	inhalation - inhalation	lungs 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
Hydrotreated Heavy Petroleum Naphtha	ASPIRATION HAZARD - Category 1
trimethylbenzene	ASPIRATION HAZARD - Category 1
1,2,4-Trimethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely : No

routes of exposure

: Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

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Section 11. Toxicological information

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression. 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:

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

Delayed and immediate effects 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

: Not 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: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: May damage the unborn child.

Developmental effects: No known significant effects or critical hazards.

Fertility effects : May damage fertility.

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Section 11. Toxicological information

Numerical measures of toxicity
Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Methyl Acetate	Acute LC50 320000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Light Aliphatic Hydrocarbon	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Heavy Aliphatic Solvent	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days
Methyl Ethyl Ketoxime	Acute LC50 843000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
trimethylbenzene	Acute LC50 5600 μg/l Marine water	Crustaceans - Palaemonetes	48 hours
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 - <i>Pimephales promelas</i>	96 hours

Persistence and degradability

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

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
Bismuth Vanadate	-	<14	Low	_
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	
1,2,4-Trimethylbenzene	-	243	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 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

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Section 13. Disposal considerations

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	IATA	IMDG
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT. Marine pollutant (Light Aliphatic Hydrocarbon, Heavy Aliphatic Solvent)
Transport hazard class(es)	3	3	3	3	3
Packing group	II	II	II	II	II
Environmental hazards	No.	No.	No.	Yes. The environmentally hazardous substance mark is not required.	Yes.
Additional information	- ERG No.	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3). ERG No.	ERG No.	The environmentally hazardous substance mark may appear if required by other transportation regulations.	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. Emergency schedules F-E, S-E
	128	128	128		
	120	120	120		

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Section 14. Transport information

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

Proper shipping name

: Not available.

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.

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

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Section 16. Other information

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) (Narcotic effects) -	Calculation method
Category 3	
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

History

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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 = Intermediate Bulk Container

IMDG = 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

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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/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.

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