SAFETY DATA SHEET

3390

Section 1. Identification

: TOUGH COAT® Advanced Gloss Safety/OSHA Green		
: 3390		
: Not available.		
: Aerosol.		
e substance or mixture and uses advised against		
: Krylon Products Group 101 Prospect Avenue NW Cleveland, OH 44115		
: US/Canada: (800) 424-9300 Mexico: CHEMTREC Mexico 800-681-9531. Available 24 hours and 365 days per year		
: US/Canada: (800) 247-3266 Mexico: Not Available		
: 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 AEROSOLS - Category 1 GASES UNDER PRESSURE - Compressed gas SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 17% (oral), 17% (dermal), 20.1% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Danger

Date of issue/Date	of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version : 9	1/20
3390	TOUGH COAT® Adva Gloss Safety/OSHA Gr				SHW-85-NA-GHS-US	

Section 2. Hazards identification

Hazard statements	 Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May damage fertility or the unborn child.
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. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Avoid breathing dust or mist. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Pressurized container: Do not pierce or burn, even after use.
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. 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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Keep container tightly closed.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Please refer to the SDS for additional information. Keep out of reach of children. Keep
	upright in a cool, dry place. Do not discard empty can in trash compactor.
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.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

CAS number/other identifiers

Ingredient	t name			% by weight	CAS number
Acetone				≥25 - ≤50	67-64-1
Propane				≥10 - ≤25	74-98-6
Butane				≤10	106-97-8
n-Butyl Acetate				≤10	123-86-4
2-Propoxyethanol				≤5	2807-30-9
Titanium Dioxide				≤3	13463-67-7
2-methoxy-1-methylethyl acetate				≤3	108-65-6
Zirconium 2-Ethylhexanoate				≤0.3	22464-99-9
	yl Ketoxime			≤0.3	96-29-7
Date of issue/	/Date of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version :9 2/
3390 TOUGH COAT® Advanced Gloss Safety/OSHA Green				SHW-85-NA-GHS-US	

Section 3. Composition/information on ingredients

Light Aromatic Hydrocarbons	≤0.3	64742-95-6
Cobalt 2-Ethylhexanoate	≤0.3	136-52-7
Hydrotreated Heavy Petroleum Naphtha	≤0.3	64742-48-9
trimethylbenzene	≤0.3	25551-13-7

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.
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	: 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. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. 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. May cause respiratory irritation.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: Can cause central nervous system (CNS) depression.
Over-exposure signs/sympto	<u>ms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness

Date of is	sue/Date of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version : 9	3/20
3390	TOUGH COAT® Gloss Safety/OS				SHW-85-NA-GHS-US	

Section 4. First aid measures

Skin contact :	respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation redness
Skin contact :	nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	increase in fetal deaths skeletal malformations Adverse symptoms may include the following: irritation
Skin contact :	Adverse symptoms may include the following: irritation
Skin contact :	irritation
	irritation
	redness
	reduced fetal weight
	increase in fetal deaths
	skeletal malformations
Ingestion :	Adverse symptoms may include the following:
	reduced fetal weight
	increase in fetal deaths
	skeletal malformations
ndication of immediate medica	al attention and special treatment needed, if necessary
	Treat symptomatically. Contact poison treatment specialist immediately if large
	quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. If it is
	suspected that fumes are still present, the rescuer should wear an appropriate mask or
	self-contained breathing apparatus. It may be dangerous to the person providing aid to
	give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water
	before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: Extremely flammable aerosol. 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. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides

Date of issue/Date	of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version	:9	4/20
	TOUGH COAT® Adva Gloss Safety/OSHA G				SHW-85-	NA-GHS-US	3

Section 5. Fire-fighting measures

Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. 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 aerosol.

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. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. 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 containment 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.

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. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. 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 ingest. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling)

Date of is	ssue/Date of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version : 9 5/2	20
3390	TOUGH COAT® Ac Gloss Safety/OSHA				SHW-85-NA-GHS-US	

Section 7. Handling and storage

	equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.	
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	rage, : Store in accordance with local regulations. Store away from direct sunlight in a dry, coo and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all ignition sources. 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)

ngredient name	CAS #	Exposure limits
Acetone	67-64-1	ACGIH TLV (United States, 7/2023). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. NIOSH REL (United States, 10/2020). TWA: 250 ppm 10 hours. TWA: 590 mg/m ³ 10 hours. OSHA PEL (United States, 5/2018). TWA: 1000 ppm 8 hours. TWA: 2400 mg/m ³ 8 hours.
Propane	74-98-6	 NIOSH REL (United States, 10/2020). TWA: 1000 ppm 10 hours. TWA: 1800 mg/m³ 10 hours. OSHA PEL (United States, 5/2018). TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours. ACGIH TLV (United States, 7/2023). Oxyge Depletion [Asphyxiant]. Explosive potential
Butane	106-97-8	NIOSH REL (United States, 10/2020). TWA: 800 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours. ACGIH TLV (United States, 7/2023). [Butane] Explosive potential. STEL: 1000 ppm 15 minutes.
n-Butyl Acetate	123-86-4	 NIOSH REL (United States, 10/2020). TWA: 150 ppm 10 hours. TWA: 710 mg/m³ 10 hours. STEL: 200 ppm 15 minutes. STEL: 950 mg/m³ 15 minutes. OSHA PEL (United States, 5/2018). TWA: 150 ppm 8 hours. TWA: 710 mg/m³ 8 hours. ACGIH TLV (United States, 7/2023). [Butyl acetates] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.
		None.

		TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
2-methoxy-1-methylethyl acetate	108-65-6	OARS WEEL (United States, 4/2022). TWA: 50 ppm 8 hours.
Zirconium 2-Ethylhexanoate	22464-99-9	ACGIH TLV (United States, 7/2023). [Zirconium and compounds] 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] 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] 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.
Light Aromatic Hydrocarbons Cobalt 2-Ethylhexanoate	64742-95-6 136-52-7	None. ACGIH TLV (United States, 7/2023). [cobalt and inorganic compounds] Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m ³ , (as Co) 8 hours.
Hydrotreated Heavy Petroleum Naphtha trimethylbenzene	64742-48-9 25551-13-7	None. ACGIH TLV (United States, 7/2023). [trimethyl benzene, isomers] TWA: 10 ppm 8 hours.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
acetone	67-64-1	 CA Alberta Provincial (Canada, 3/2023). OEL: 1200 mg/m³ 8 hours. OEL: 1800 mg/m³ 15 minutes. OEL: 500 ppm 8 hours. OEL: 750 ppm 15 minutes. CA British Columbia Provincial (Canada, 8/2023). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. CA Quebec Provincial (Canada, 7/2023). TWAEV: 250 ppm 8 hours. STEV: 500 ppm 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 750 ppm 15 minutes. TWA: 250 ppm 8 hours.
Normal propane	74-98-6	CA Alberta Provincial (Canada, 3/2023). OEL: 1000 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). TWAEV: 1000 ppm 8 hours. TWAEV: 1800 mg/m ³ 8 hours.
ate of issue/Date of revision : 7/8/2024	4 Date of previous issue	:6/2/2024 Version :9 7
390 TOUGH COAT® Advanced Gloss Safety/OSHA Green		SHW-85-NA-GHS-US

Butane 106-97-8 CA Ontario Provincial (Canada, 6/2019). Oxygen Depletion [Asphyxiant]. Explosive potential. Butane 106-97-8 CA Abterta Provincial (Canada, 3/2023). OEL: 1000 ppm 8 hours. CA Abberta Provincial (Canada, 7/2023). TWAEV: 800 ppm 8 hours. TWAEV: 1800 mpm 7 biours. CA Saskatchewan Provincial (Canada, 7/2023). TWAEV: 1800 mpm 7 biours. CA Saskatchewan Provincial (Canada, 7/2013). Butane] n-butyl acetate 123-86-4 CA Ontario Provincial (Canada, 3/2023). OEL: 1000 ppm 15 minutes. TWA: 1000 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). [Butane, Ali isomers] Explosive potential. STEL: 1000 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). [Butane, Ali isomers] Explosive potential. STEL: 1000 ppm 15 minutes. OEL: 350 mg/m 15 minutes. OEL: 150 ppm 15 minutes. OEL: 150 ppm 15 minutes. OEL: 150 ppm 15 minutes. OEL: 150 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 7/2023). [butyl acetates] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Outer Provincial (Canada, 7/2023). [butyl acetates] STEV: 150 ppm 15 minutes. TWA: V50 ppm 8 hours. CA Outer Provincial (Canada, 7/2023). [butyl acetates] STEV: 150 ppm 15 minutes. TWA: V50 ppm 8 hours. CA Aberta Provincial (Canada, 6/2019). Asoroted through skin. TWA: 25 ppm 8 hours. TWA: 25 ppm 8 hours. CA Alberta Provincial (Canada, 3/2023). [Zirconium 2-Ethylhexanoate		-	
ButaneOxygen Depletion [Asphyxiant]. Explosi potential.Butane106-97-8CA Alberta Provincial (Canada, 3/2023). OEL: 1000 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). TWAEV: 800 pm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Butane] STEL: 1250 ppm 8 hours. CA British Columbia Provincial (Canada, 7/2013). [Butane] STEL: 1250 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Butane, All isomers] Explosive potential. STEL: 1000 ppm 15 minutes. CA Ontario Provincial (Canada, 3/2023). (Dutyl acetate)n-butyl acetate123-86-4CA Alberta Provincial (Canada, 3/2023). OEL: 200 ppm 15 minutes. OEL: 713 mg/m ¹ 8 hours. OEL: 713 mg/m ¹ 8 hours. OEL: 713 mg/m ¹ 8 hours. CA Saskatchewan Provincial (Canada, 6/2019). [Butane, All isomers] STEL: 200 ppm 15 minutes. OEL: 713 mg/m ¹ 8 hours. OEL: 713 mg/m ¹ 8 hours. CA Saskatchewan Provincial (Canada, 6/2019). [Butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Ontario Provincial (Canada, 7/2023). [Butyl acetates] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [Butyl acetates] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [Butyl acetates]2-Propoxyethanol2807-30-9CA Ontario Provincial (Canada, 7/2023). [Butyl acetates]2-Propoxyethanol2807-30-9CA Alberta Provincial (Canada, 7/2023). [Butyl acetates]2-Propoxyethanol2807-30-9CA Ontario Provincial (Canada, 7/2023). [Butyl acetates]2-Propoxyethanol2807-30-9CA Ontario Provincial (Canada,			7/2013). STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). Oxygen Depletion [Asphyxiant].
OEL: 1000 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). TWAEV: 800 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2023). TWAEV: 800 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Butane] STEL: 1250 ppm 15 minutes. TWAEV: 800 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2019). [Butane, all isomers] Explosive potential. STEL: 1000 ppm 15 minutes. CA Alberta Provincial (Canada, 3/2023). OEL: 900 pm 15 minutes. CA Alberta Provincial (Canada, 3/2023). OEL: 900 pm 15 minutes. OEL: 900 pm 15 minutes. OEL: 900 pm 15 minutes. OEL: 9100 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [July acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [July acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 7/2023). <t< td=""><td></td><td></td><td></td></t<>			
n-butyl acetate123-86-4STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2019). [Butane, all isomers] Explosive potential STEL: 1000 ppm 15 minutes. CA Alberta Provincial (Canada, 3/2023). OEL: 200 ppm 15 minutes. OEL: 150 ppm 16 minutes. OEL: 150 ppm 16 minutes. OEL: 150 ppm 18 hours. CA Saskatchewan Provincial (Canada, 6/2019). [Butane, All isomers] Explosive potential STEL: 1000 ppm 15 minutes. OEL: 150 ppm 16 minutes. OEL: 150 ppm 16 minutes. OEL: 150 ppm 18 hours. CA Saskatchewan Provincial (Canada, 6/2019). [butyl acetate, all isomers] STEL: 1000 ppm 15 minutes. TWA: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Auberte ravincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [butyl acetate]2-Propoxyethanol2807-30-9CA Outario Provincial (Canada, 6/2019). Nasorbed through skin. TWA: 250 ppm 8 hours.2-Ironjum 2-Ethylhexanoate22464-99-9CA Alberta Provincial (Canada, 3/2023). [Zirconium and compounds]	Butane	106-97-8	OEL: 1000 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). TWAEV: 800 ppm 8 hours. TWAEV: 1900 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada,
n-butyl acetate123-86-4CA Ontario Provincial (Canada, 6/2019). [Butane, All isomers] Explosive potential STEL: 1000 ppm 15 minutes.n-butyl acetate123-86-4CA Alberta Provincial (Canada, 3/2023). OEL: 950 mg/m³ 15 minutes. OEL: 150 ppm 8 hours. OEL: 150 ppm 8 hours. OEL: 713 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 1000 ppm 15 minutes. TWA: 150 ppm 15 minutes. TWA: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. 			STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). [butane, all isomers] Explosive potential.
OEL: 200 ppm 15 minutes. OEL: 950 mg/m³ 15 minutes. OEL: 713 mg/m³ 8 hours. OEL: 713 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] 			CA Ontario Provincial (Canada, 6/2019). [Butane, All isomers] Explosive potential.
Absorbed through skin. TWA: 110 mg/m³ 8 hours. TWA: 25 ppm 8 hours.Zirconium 2-Ethylhexanoate22464-99-9CA Alberta Provincial (Canada, 3/2023). [Zirconium and compounds]			CA Alberta Provincial (Canada, 3/2023). OEL: 200 ppm 15 minutes. OEL: 950 mg/m ³ 15 minutes. OEL: 150 ppm 8 hours. OEL: 713 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). [butyl acetate, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [butyl acetates] STEV: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.
[Zirconium and compounds]	2-Propoxyethanol	2807-30-9	Absorbed through skin. TWA: 110 mg/m³ 8 hours.
OEL: 10 mg/m³, (as Zr) 15 minutes.	Zirconium 2-Ethylhexanoate	22464-99-9	CA Alberta Provincial (Canada, 3/2023). [Zirconium and compounds] OEL: 5 mg/m ³ , (as Zr) 8 hours.
	390 TOUGH COAT® Advanced	vious issue	CA British Columbia Provincial (Canada, : 6/2/2024 Version : 9 8

•		
		 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.
Methyl Ethyl Ketoxime	96-29-7	OARS WEEL (United States, 4/2022). Skin sensitizer. TWA: 10 ppm 8 hours.
Cobalt 2-Ethylhexanoate	136-52-7	CA British Columbia Provincial (Canada, 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: Total CA Quebec Provincial (Canada, 7/2023). [Cobalt elemental, and inorganic compounds] Skin sensitizer. Inhalation sensitizer. 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.

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
Acetone	67-64-1	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes.
n-Butyl Acetate	123-86-4	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 150 ppm 8 hours. STEL: 200 ppm 15 minutes.
Zirconium 2-Ethylhexanoate	22464-99-9	NOM-010-STPS-2014 (Mexico, 4/2016). [Circonio y compuestos] 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). [Cobalto y compuestos inorgánicos] TWA: 0.02 mg/m³, (as Co) 8 hours.

Biological exposure indices (United States)

Date of issue/Dat	e of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version : 9	9/20
3390	TOUGH COAT® A Gloss Safety/OSH				SHW-85-NA-GHS-US	S

Ingredient name	Exposure indices
Acetone	ACGIH BEI (United States, 7/2023) BEI: 25 mg/l, acetone [in urine]. Sampling time: end of shift.
Cobalt 2-Ethylhexanoate	ACGIH BEI (United States, 7/2023) [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			
Acetone	Official Mexican STANDARD NOM- 047-SSA1-2011, Environmental Health- Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) BEI: 50 mg/L [non-specific.The determinant is nonspecific, since it can be found after exposure to other chemicals.], acetone [in urine]. Sampling time: at the end of the work shift.			
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 μ g/I [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 μ g/I [Basal level.The determinant			
ate of issue/Date of revision : 7/8/2024 Date of previous issue 390 TOUGH COAT® Advanced Gloss Safety/OSHA Green	: 6/2/2024 Version : 9 10/2 SHW-85-NA-GHS-US			

	obtained from occupationally that could affer results. These in the valu], co	t in the biological sample subjects who have not been exposed, at a concentration ct the interpretation of the background levels are included balt [in urine]. Sampling time: at shift at the end of the work
Appropriate engineering controls	se only with adequate ventilation. Use process enclose ther engineering controls to keep worker exposure to ecommended or statutory limits. The engineering con apor or dust concentrations below any lower explosive entilation equipment.	airborne contaminants below any trols also need to keep gas,
Environmental exposure controls	missions from ventilation or work process equipment bey comply with the requirements of environmental pro- ases, fume scrubbers, filters or engineering modificati ill be necessary to reduce emissions to acceptable lev	otection legislation. In some ons to the process equipment
Individual protection measured		
Hygiene measures	/ash hands, forearms and face thoroughly after handl ating, smoking and using the lavatory and at the end of ppropriate techniques should be used to remove pote ontaminated work clothing should not be allowed out ontaminated clothing before reusing. Ensure that eye howers are close to the workstation location.	of the working period. ntially contaminated clothing. of the workplace. Wash
Eye/face protection	afety eyewear complying with an approved standard s ssessment indicates this is necessary to avoid exposu ases or dusts. If contact is possible, the following pro- ne assessment indicates a higher degree of protection	re to liquid splashes, mists, tection should be worn, unless
Skin protection		
Hand protection	hemical-resistant, impervious gloves complying with a orn at all times when handling chemical products if a ecessary. Considering the parameters specified by th uring use that the gloves are still retaining their protec oted that the time to breakthrough for any glove mater love manufacturers. In the case of mixtures, consistir rotection time of the gloves cannot be accurately estin	risk assessment indicates this is e glove manufacturer, check tive properties. It should be rial may be different for different og of several substances, the
Body protection	ersonal protective equipment for the body should be serformed and the risks involved and should be approv andling this product. When there is a risk of ignition fr tatic protective clothing. For the greatest protection fro hould include anti-static overalls, boots and gloves.	ed by a specialist before om static electricity, wear anti-
Other skin protection	ppropriate footwear and any additional skin protection ased on the task being performed and the risks involv pecialist before handling this product.	
Respiratory protection	ased on the hazard and potential for exposure, select ppropriate standard or certification. Respirators must espiratory protection program to ensure proper fitting, spects of use.	be used according to a

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	: Green.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: Not available.
Flash point	: Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]
Evaporation rate	: 5.6 (butyl acetate = 1)
Flammability	: Flammable aerosol.
Lower and upper explosion limit/flammability limit	: Lower: 1.26% Upper: 15.8%
Vapor pressure	: 101.3 kPa (760 mm Hg)
Relative vapor density	: 1.55 [Air = 1]
Relative density	: 0.75
Solubility(ies)	:

Media		Result		
cold water		Not soluble		
Partition coefficient: n- : Not octanol/water		applicable.		
Auto-ignition temperature : Not		available.		
Decomposition temperature : Not		available.		
Viscosity	: Kin	matic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt)		
Molecular weight	: No	t applicable.		
Aerosol product				
Type of aerosol : Spra		ау		
Heat of combustion	: 27.2	282 kJ/g		

Section 10. Stability and reactivity

3390 TOUGH COAT® Gloss Safety/OS		SHW-85-NA-GHS-US				
Date of issue/Date of revision	: 7/8/2024 Date of previous issue : 6/2/2024	Version :9 12/20				
Hazardous decomposition products	: Under normal conditions of storage and use, hazardou not be produced.	us decomposition products should				
Incompatible materials	: No specific data.					
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame).					
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.					
Chemical stability	: The product is stable.					
Reactivity	: No specific test data related to reactivity available for t	his product or its ingredients.				

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Acetone	LD50 Oral	Rat	5800 mg/kg	-
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
n-Butyl Acetate	LD50 Dermal	Rabbit	>17600 mg/kg	-
-	LD50 Oral	Rat	10768 mg/kg	-
2-Propoxyethanol	LD50 Oral	Rat	3089 mg/kg	-
2-methoxy-1-methylethyl acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	8532 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	-
Light Aromatic Hydrocarbons	LD50 Oral	Rat	8400 mg/kg	-
Cobalt 2-Ethylhexanoate	LD50 Dermal	Rabbit	>5 g/kg	-
-	LD50 Oral	Rat	1.22 g/kg	-
Hydrotreated Heavy	LC50 Inhalation Vapor	Rat	8500 mg/m ³	4 hours
Petroleum Naphtha		Det		
Anima a Alan dia amin'ny amin'ny a	LD50 Oral	Rat	>6 g/kg	-
trimethylbenzene	LD50 Oral	Rat	8970 mg/kg	-

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetone	Eyes - Mild irritant	Human	-	186300 ppm	-
	Eyes - Mild irritant	Rabbit	-	10 uL	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20	-
				mg	
	Eyes - Severe irritant	Rabbit	-	20 mg	-
	Skin - Mild irritant	Rabbit	-	395 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
n-Butyl Acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
-	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
2-Propoxyethanol	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 750	-
				ug	
	Skin - Mild irritant	Guinea pig	-	24 hours 1 MI	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
				ug l	
Methyl Ethyl Ketoxime	Eyes - Severe irritant	Rabbit	-	100 uL	-
Light Aromatic Hydrocarbons	Eyes - Mild irritant	Rabbit	-	24 hours 100	-
č				uL	
trimethylbenzene	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
-				mg	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitization

Not available.

Mutagenicity

Not available.

Date of issue/Date	e of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version	:9	13/20
3390	TOUGH COAT® Adva Gloss Safety/OSHA Gr				SHW-85-	NA-GHS-U	S

Section 11. Toxicological information

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
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	Category	Route of exposure	Target organs
Acetone	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
n-Butyl Acetate	Category 3	-	Narcotic effects
2-Propoxyethanol	Category 3	-	Narcotic effects
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
Methyl Ethyl Ketoxime	Category 1	-	upper respiratory tract
	Category 3		Narcotic effects
Light Aromatic Hydrocarbons	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
Methyl Ethyl Ketoxime	Category 2	-	blood system

Aspiration hazard

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

Information on the likely routes of exposure

: Not available.

routes of exposure				
Potential acute health effects				
Eye contact	: Causes serious eye irritation.			
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.			
Skin contact	: May cause an allergic skin reaction.			
Ingestion	: Can cause central nervous system (CNS) depression.			

Symptoms related to the physical, chemical and toxicological characteristics

-						
Date of issue	Date of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version : 9	14/20
3390	TOUGH COAT® Gloss Safety/OSH				SHW-85-NA-GHS-US	

Section 11. Toxicological information

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing 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: reduced fetal weight increase in fetal deaths skeletal malformations

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.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health ef	ifects
Not available.	
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: May damage the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: May damage fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	81725.97 mg/kg
Dermal	29102.8 mg/kg

Date of issue/Date	of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version : 9	15/20
3390	TOUGH COAT® Adva Gloss Safety/OSHA Gr				SHW-85-NA-GHS-US	

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Acetone	Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 4.42589 ml/L Marine water	Crustaceans - <i>Acartia tonsa</i> - Copepodid	48 hours
	Acute LC50 7460000 µg/l Fresh water	Daphnia - Daphnia cucullata	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/I Marine water	Algae - <i>Ulva pertusa</i>	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Chronic NOEC 5 µg/l Marine water	Fish - <i>Gasterosteus aculeatus -</i> Larvae	42 days
n-Butyl Acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Methyl Ethyl Ketoxime	Acute LC50 843000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
trimethylbenzene	Acute LC50 5600 µg/l Marine water	Crustaceans - <i>Palaemonetes</i> pugio	48 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetone	-	-	Readily
n-Butyl Acetate	-	-	Readily
Light Aromatic Hydrocarbons	-	-	Readily

Bioaccumulative potential

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

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Date of issue/Date	of revision	: 7/8/2024
3390	TOUGH COAT® A Gloss Safety/OSHA	

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. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ΙΑΤΑ	IMDG
UN number	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS
Transport	2.1	2.1	2.1	2.1	2.1
hazard class(es)	reaminate cas				
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2).	-		Emergency schedules F-D, S U
	ERG No.	ERG No.	ERG No.		
	126	126	126	Durandari	Demendent
	Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	Dependent upon container size, this product may ship undel the Limited Quantity shipping exception.
pecial precaution	conside mode c suitably to shipi	nodal shipping descrip er container sizes. The of transport (sea, air, y for that mode of tran ment, and compliance person offering the pro	e presence of a shi etc.), does not indic nsport. All packaging e with the applicable	pping description for ate that the product g must be reviewed regulations is the s	a particular is packaged for suitability prior ole responsibility

Date of issue/Date	of revision	: 7/8/2024	Date of previous issue	: 6/2/2024	Version :9	17/20
3390	TOUGH COAT® Advan Gloss Safety/OSHA Gre				SHW-85-NA-GHS-US	

and on all actions in case of emergency situations.

dangerous goods must be trained on all of the risks deriving from the substances

Section 14. Transport information

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

Section 16. Other information

		1
	Justification	
FLAMMABLE AEROSOLS - Category 1 GASES UNDER PRESSURE - Compressed gas SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3		On basis of test data On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method
<u>History</u>		
Date of printing	: 7/8/2024	
Date of issue/Date of revision	: 7/8/2024	
Date of previous issue	: 6/2/2024	
Version	: 9	
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 = Internediate 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

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.

Date of issue/Da	te of revision	: 7/8/2024
3390	TOUGH COAT® Gloss Safety/OSH	