Hybrid Solutions Pure Shine

Safety Data Sheet

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US GHS SDS

Date of Issue: 06/23/2022 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Hybrid Solutions Pure Shine

Product Code: 53837, 53859

1.2. Intended Use of the Product

Use of the Substance/Mixture: Automotive Wax/Polish/Sealant/Glaze - Instant Detailer

1.3. Name, Address, and Telephone of the Responsible Party

Manufacturer

Turtle Wax, Inc.
2250 W. Pinehurst Blvd., Suite 150
Addison, IL 60101-6103
Phone Number: 1(630)455-3700
Toll-Free Number: 1(800)887-8539

1.4. Emergency Telephone Number

Emergency Number : For Chemical Emergency: ChemTel LLC (800)255-3924 (North America) +1 (813)248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Skin Sens. 1 H317

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GHS07

Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : H317 - May cause an allergic skin reaction.

Precautionary Statements (GHS-US) : P261 - Avoid breathing vapors, mist, or spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification

Propylene Glycol	1,2-Propylene glycol / 1,2-Dihydroxypropane / Propane-1,2-diol / Propylene glycol	(CAS-No.) 57-55-6	0.9 – 1	Not classified
Isopropanol	2-Hydroxypropane / 2-Propyl alcohol / 2-Propanol / Isopropanol	(CAS-No.) 67-63-0	0.37 – 0.5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Benzisothiazolinone	1,2-Benzisothiazolin-3-one / Benzisothiazolinone / 1,2-Benzisothiazolone / 1,2-Benzisothiazol-3-one	(CAS-No.) 2634-33-5	0.027 – 0.033	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
Sodium Hydroxide	Caustic soda / Sodium hydroxide (Na(OH)) / SODIUM HYDROXIDE / LYE	(CAS-No.) 1310-73-2	0.0076 – 0.011	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402
Graphite	C.I. Pigment Black 10 / C.I. 77265 / graphite	(CAS-No.) 7782-42-5	0.0006	Comb. Dust
Cyclohexane	Benzene, hexahydro- / CYCLOHEXANE / Hexahydrobenzene	(CAS-No.) 110-82-7	0.0001 – 0.0005	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethyl Acetate	Acetic acid, ethyl ester / Ethyl ethanoate / ETHYL ACETATE	(CAS-No.) 141-78-6	≤ 0.0001	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Acrylic Acid	Acroleic acid / Propenoic acid / 2-Propenoic acid / Acrylic acid, stabilized	(CAS-No.) 79-10-7	≤ 0.0001	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 2, H411
Ethyl Acrylate	Acrylic acid, ethyl ester / 2-Propenoic acid, ethyl ester / Ethyl acrylate, stabilized / Ethyl prop-2-enoate / Monomeric ethyl acrylate	(CAS-No.) 140-88-5	≤ 0.0001	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 2, H401 Aquatic Chronic 3, H412

Acrylamide	Acrylic amide / 2-Propenamide / Acrylamide monomer / Acrylamide, solid	(CAS-No.) 79-06-1	≤ 0.0001	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT RE 1, H372 Aquatic Acute 3, H402 Comb. Dust
Acrylonitrile	Acrylonitrile monomer / Prop-2-enenitrile / 2-Propenenitrile / Vinyl cyanide	(CAS-No.) 107-13-1	≤ 0.00001	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H335 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

First-aid Measures After Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Skin sensitization.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause an allergic skin reaction.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO_2), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO_2). Irritating fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Automotive Wax/Polish/Sealant/Glaze - Instant Detailer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Ethyl acrylate (140-88-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	5 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	15 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA IDLH	IDLH [ppm]	300 ppm
USA OSHA	OSHA PEL (TWA) [1]	100 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	25 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption

Acrylonitrile (107-13-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	2 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL TWA [ppm]	1 ppm

USA NIOSH	NIOSH REL C [ppm]	10 ppm
USA IDLH	IDLH [ppm]	60 ppm
USA OSHA	OSHA PEL (TWA) [2]	2 ppm
USA OSHA	OSHA PEL C [ppm]	10 ppm
USA OSHA	OSHA Action Level/Excursion Limit	1 ppm (Action level, See 29 CFR 1910.1045) 10 ppm (Excursion limit, See 29 CFR 1910.1045)

Acrylamide (79-06-1)		
USA ACGIH	ACGIH OEL TWA	0.03 mg/m³ (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen,Skin - potential significant contribution to overall exposure by the cutaneous route,dermal sensitizer
USA NIOSH	NIOSH REL (TWA)	0.03 mg/m³
USA IDLH	IDLH	60 mg/m³
USA OSHA	OSHA PEL (TWA) [1]	0.3 mg/m³
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption

Cyclohexane (110-82-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (TWA)	1050 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	300 ppm
USA IDLH	IDLH [ppm]	1300 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	1050 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	300 ppm

Ethyl acetate (141-78-6)		
USA ACGIH	ACGIH OEL TWA [ppm]	400 ppm
USA NIOSH	NIOSH REL (TWA)	1400 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	1400 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	400 ppm

Acrylic acid (79-10-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	2 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen,Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (TWA)	6 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	2 ppm

Sodium hydroxide (1310-73-2)		
USA ACGIH	ACGIH OEL Ceiling	2 mg/m³
USA NIOSH	NIOSH REL (Ceiling)	2 mg/m³
USA IDLH	IDLH	10 mg/m³
USA OSHA	OSHA PEL (TWA) [1]	2 mg/m³

Graphite (7782-42-5)		
USA ACGIH	ACGIH OEL TWA	2 mg/m³ (all forms except graphite fibers-respirable particulate matter)
USA NIOSH	NIOSH REL (TWA)	2.5 mg/m³ (natural-respirable dust)
USA IDLH	IDLH	1250 mg/m³ (Graphite (natural))
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m³ (synthetic-total dust) 5 mg/m³ (synthetic-respirable fraction)
USA OSHA	OSHA PEL (TWA) [2]	15 mppcf (natural) (See 29 CFR 1910.1000 TABLE Z-3)

1,2-Propanediol (57-55-6)		
USA AIHA	WEEL TWA	10 mg/m³

Isopropyl alcohol (67-63-0)		
USA ACGIH	ACGIH OEL TWA [ppm]	200 ppm

USA ACGIH	ACGIH OEL STEL [ppm]	400 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
USA NIOSH	NIOSH REL (TWA)	980 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA NIOSH	NIOSH REL (STEL)	1225 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	500 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	980 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	400 ppm

8.2. Exposure Controls

Appropriate Engineering Controls : Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment : Gloves. Protective clothing. Protective goggles.

Materials for Protective Clothing : Chemically resistant materials and fabrics.

Hand Protection : Wear protective gloves.

Eye and Face Protection : Chemical safety goggles.

Skin and Body Protection : Wear suitable protective clothing.

Respiratory Protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : Milky white

Odor : Fruity

Odor Threshold : No data available

pH : 5.9

Evaporation Rate : No data available

Melting Point : No data available

Freezing Point : No data available

Boiling Point : No data available

Flash Point : ≥ 93 °C Closed-Cup (≥ 199.4 °F)

Auto-ignition Temperature : No data available

Decomposition Temperature : No data available

Flammability (solid, gas) : Not applicable

Vapor Pressure : No data available

Heat Of Combustion : No data available

Relative Vapor Density at 20°C : No data available

Relative Density : 0.995 (Water=1)

Relative gas density : No data available

Solubility : No data available

Partition Coefficient: N-Octanol/Water : 500 mm²/s

Viscosity : Liquid

9.2. Other Information

VOC content (California) : 0.6 %

% NVM by Weight : 2 %

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Not expected to decompose under ambient conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

Ethyl acrylate (140-88-5)	
LD50 Oral Rat	550 mg/kg
LD50 Dermal Rabbit	1790 mg/kg
LC50 Inhalation Rat	≈ 9.137 mg/l/4h
LC50 Inhalation Rat	1410 ppm/4h
ATE (Dermal)	1,790.00 mg/kg body weight

Acrylonitrile (107-13-1)	
LD50 Oral Rat	193 mg/kg
LD50 Dermal Rabbit	63 mg/kg
LC50 Inhalation Rat	0.47 mg/l/4h
ATE (Dermal)	63.00 mg/kg body weight
ATE (Vapors)	0.47 mg/l/4h
ATE (Dust/Mist)	0.47 mg/l/4h

Acrylamide (79-06-1)	
LD50 Oral Rat	177 (≤ 458) mg/kg
LD50 Dermal Rabbit	1141 mg/kg
LC50 Inhalation Rat	> 5.6 ppm
ATE (Dermal)	1,141.00 mg/kg body weight
ATE (Dust/Mist)	1.50 mg/l/4h

Cyclohexane (110-82-7)	
LD50 Oral Rat	12705 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 32880 mg/m³ (Exposure time: 4 h)

Ethyl acetate (141-78-6)	
LD50 Oral Rat	5620 mg/kg
LD50 Dermal Rabbit	> 18000 mg/kg
LC50 Inhalation Rat	> 7348 mg/l/4h (calculated off of 6hr test results)
LC50 Inhalation Rat	4000 ppm/4h

Acrylic acid (79-10-7)	
LD50 Oral Rat	1337 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	11.1 mg/l (Exposure time: 1 h)
LC50 Inhalation Rat	3.6 mg/l/4h
LC50 Inhalation Rat	2.75 mg/l/4h

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

LD50 Oral Rat	1020 mg/kg
LD50 Dermal Rat	> 2000 mg/kg

Sodium hydroxide (1310-73-2)	
LD50 Oral Rat	325 mg/kg

Graphite (7782-42-5)	
LD50 Oral Rat	> 2000 mg/kg
LC50 Inhalation Rat	> 2000 mg/m³ (Exposure time: 4 h)

1,2-Propanediol (57-55-6)	
LD50 Oral Rat	20 g/kg
LD50 Dermal Rabbit	20800 mg/kg
ATE (Oral)	20,000.00 mg/kg body weight
ATE (Dermal)	20,800.00 mg/kg body weight

Isopropyl alcohol (67-63-0)	
LD50 Dermal Rabbit	12956 mg/kg (16.4 mL/kg bw)
LC50 Inhalation Rat	> 10000 ppm (Exposure time: 6 h)
ATE (Dermal)	12,956.00 mg/kg body weight

Skin Corrosion/Irritation: Not classified

pH: 5.9

Serious Eye Damage/Irritation: Not classified

pH: 5.9

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Ethyl acrylate (140-88-5)	
IARC group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity, Substances delisted from report on Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Acrylonitrile (107-13-1)	
IARC group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.

Acrylamide (79-06-1)	
IARC group	2A
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Acrylic acid (79-10-7)	
IARC group	3

Isopropyl alcohol (67-63-0)	
IARC group	3

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause an allergic skin reaction.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

Ethyl acrylate (140-88-5)	
LC50 Fish 1	4.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	7.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	2.31 – 2.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
NOEC Chronic Crustacea	0.19 mg/l

Acrylonitrile (107-13-1)	
LC50 Fish 1	6.7 – 15 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	8 – 12 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
NOEC Chronic Fish	0.34 mg/l

Acrylamide (79-06-1)	
LC50 Fish 1	103 – 115 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	98 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	124 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	98 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
ErC50 (Algae)	33.8 mg/l
NOEC Chronic Crustacea	2.04 mg/l
NOEC Chronic Algae	16 mg/l

Cyclohexane (110-82-7)	
LC50 Fish 1	3.96 – 5.18 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0.9 mg/l
LC50 Fish 2	23.03 – 42.07 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC Chronic Algae	0.94 mg/l

Ethyl acetate (141-78-6)	
LC50 Fish 1	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
NOEC Chronic Crustacea	2.4 mg/l

Acrylic acid (79-10-7)	
LC50 Fish 1	222 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
EC50 - Crustacea [1]	95 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	0.13 mg/l
NOEC Chronic Algae	0.016 mg/l

1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
EC50 - Crustacea [1]	0.99 mg/l

Sodium hydroxide (1310-73-2)	
LC50 Fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	40 mg/l

Graphite (7782-42-5)	
LC50 Fish 1	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
ErC50 (Algae)	> 100 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])
NOEC Chronic Fish	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC Chronic Crustacea	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
NOEC Chronic Algae	> 100 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])

1,2-Propanediol (57-55-6)	
LC50 Fish 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)
LC50 Fish 2	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [2]	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

NOEC Chronic Crustacea	1000 mg/l
NOEC Chronic Algae	1000 mg/l

Isopropyl alcohol (67-63-0)	
LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

12.2. Persistence and Degradability

Hybrid Solutions Pure Shine	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Hybrid Solutions PRO Pure Shine	
Bioaccumulative Potential	Not established.

Ethyl acrylate (140-88-5)	
Partition coefficient n-octanol/water (Log Pow)	1.18 (at 25 °C)

Acrylonitrile (107-13-1)	
BCF Fish 1	48
Partition coefficient n-octanol/water (Log Pow)	-0.92

Acrylamide (79-06-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.24

Cyclohexane (110-82-7)	
Partition coefficient n-octanol/water (Log Pow)	3.44

Ethyl acetate (141-78-6)	
BCF Fish 1	30
Partition coefficient n-octanol/water (Log Pow)	0.6

Acrylic acid (79-10-7)	
Partition coefficient n-octanol/water (Log Pow)	0.38 – 0.46 (at 25 °C)

1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
Partition coefficient n-octanol/water (Log Pow)	1.3 (at 25 °C)

1,2-Propanediol (57-55-6)	
BCF Fish 1	< 1
Partition coefficient n-octanol/water (Log Pow)	-0.92

Isopropyl alcohol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05 (at 25 °C)

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Not regulated for transport

14.2. In Accordance with IMDG

Not regulated for transport

14.3. In Accordance with IATA

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

Hybrid Solutions Pure Shine	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization

Ethyl acrylate (140-88-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	0.1 %

Acrylonitrile (107-13-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed Section 4 test rule under TSCA.
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb
SARA Section 313 - Emission Reporting	0.1 %

Acrylamide (79-06-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 – 10000 lb
SARA Section 313 - Emission Reporting	0.1 %

Cyclohexane (110-82-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %

Ethyl acetate (141-78-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb

Acrylic acid (79-10-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	1 %

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	1000 lb

Graphite (7782-42-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

1,2-Propanediol (57-55-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 % (only if manufactured by the strong acid process, no supplier notification)

15.2. US State Regulations

Ethyl acrylate (140-88-5)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Acrylonitrile (107-13-1)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Acrylamide (79-06-1)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Cyclohexane (110-82-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Ethyl acetate (141-78-6)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Acrylic acid (79-10-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Sodium hydroxide (1310-73-2)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Graphite (7782-42-5)
U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

1,2-Propanediol (57-55-6)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Isopropyl alcohol (67-63-0)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

California Proposition 65

WARNING: This product can expose you to Acrylamide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Ethyl acrylate (140-88-5)	X			
Acrylonitrile (107-13-1)	X			
Acrylamide (79-06-1)	X	X		X

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 06/14/2022

Formula Identification Number : 40786

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

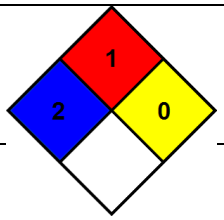
The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

GHS Full Text Phrases:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal) Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4

Met. Corr. 1	Corrosive to metals Category 1
Muta. 1B	Germ cell mutagenicity Category 1B
Muta. 2	Germ cell mutagenicity Category 2
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA Health Hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.



NFPA Fire Hazard	:	1 - Materials that must be preheated before ignition can occur.
NFPA Reactivity Hazard	:	0 - Material that in themselves are normally stable, even under fire conditions.

HMIS III Rating

Health	:	2 Moderate Hazard
Flammability	:	1 Slight Hazard
Physical	:	0 Minimal Hazard

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date issued. No warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the responsibility of the user or processor to satisfy themselves as to the suitability of such information for their own particular circumstances, conditions or use, including transportation, storage and disposal which are outside of our control.

SDS US (GHS HazCom)