



Hybrid Solutions Inside Job Cleaner & Protectant

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

US GHS SDS

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SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Hybrid Solutions Inside Job Cleaner & Protectant

Product Code: 53787, 53789

1.2. Intended Use of the Product

Use of the Substance/Mixture: General Purpose Cleaner - Non-Aerosol

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

Manufacturer

Turtle Wax, Inc.

948 Springer Dr.

Lombard, IL 60148

Phone Number: 1(630)455-3700

Toll-Free Number: 1(800)887-8539

1.4. Emergency Telephone Number

Emergency Number

: Velocity EHS

1-800-255-392 (US and Canada)

1-813-248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Not classified

2.2. Label Elements

GHS-US Labeling

No labeling applicable according to 29 CFR 1910.1200.

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
Petroleum distillates, hydrotreated light	Hydrotreated Light Alkanes	(CAS-No.) 64742-47-8	1 - 5	Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
1,2-Propanediol	Propylene Glycol	(CAS-No.) 57-55-6	0.9 – 1	Not classified
Isopropyl alcohol	Isopropanol	(CAS-No.) 67-63-0	0.19 – 0.25	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
1,2,3-Propanetriol	Glycerin	(CAS-No.) 56-81-5	0.18 – 0.2	Not classified

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Morpholine	Diethylene imidoxide / Diethylene oximide / 1-Oxa-4- azacyclohexane	(CAS-No.) 110-91-8	0.099 – 0.11	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
D-Limonene	Cyclohexene, 1-methyl-4-(1- methylethenyl)-, (4R)- / Cyclohexene, 1-methyl-4-(1- methylethenyl)-, (R)-	(CAS-No.) 5989-27-5	0.0025 – 0.0125	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzyl alcohol	Benzenecarbinol / Benzenemethanol / Methanol, phenyl-	(CAS-No.) 100-51-6	0.0025 – 0.0125	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Ethylene glycol	1,2-Dihydroxyethane / Ethane- 1,2-diol / 1,2-Ethanediol / Ethanediol	(CAS-No.) 107-21-1	< 0.00011	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
2-Methoxyethanol	Methoxyethanol	(CAS-No.) 109-86-4	< 0.00011	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Repr. 1B, H360
Ethyl acrylate	Acrylic acid, ethyl ester / 2- Propenoic acid, ethyl ester / Ethyl acrylate, stabilized	(CAS-No.) 140-88-5	< 0.00003	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-Propenamamide / Prop-2-enamide	(CAS-No.) 79-06-1	< 0.00002	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

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Acrylonitrile	Acrylonitrile monomer / Prop-2-enenitrile / 2-Propenenitrile	(CAS-No.) 107-13-1	< 0.000003	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
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Full text of H-phrases: see section 16

The exact percentage of composition has 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. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

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: Not expected to present a significant hazard under anticipated conditions of normal use.

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

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

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

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

Chronic Symptoms: None expected under normal conditions of use.

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 (CO₂), 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: Under fire conditions this material may produce hazardous carbon dioxide (CO₂), carbon monoxide (CO), oxides of silicone, sulfur oxides, formaldehyde, acrolein, nitrous fumes, nitrogen oxides, various low molecular weight hydrocarbons, and smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

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

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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.

Maximum Storage Period: 7 – 10 years

7.3. Specific End Use(s)

General Purpose Cleaner - Non-Aerosol.

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).

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/m ³
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA NIOSH	NIOSH REL (STEL)	1225 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	500 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	980 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	400 ppm
1,2,3-Propanetriol (56-81-5)		
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction)
Morpholine (110-91-8)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 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)	70 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	20 ppm
USA NIOSH	NIOSH REL (STEL)	105 mg/m ³

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USA NIOSH	NIOSH REL STEL [ppm]	30 ppm
USA IDLH	IDLH [ppm]	1400 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	70 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	20 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
1,2-Propanediol (57-55-6)		
USA AIHA	WEEL TWA	10 mg/m ³
D-Limonene (5989-27-5)		
USA AIHA	WEEL TWA [ppm]	30 ppm
Benzyl alcohol (100-51-6)		
USA AIHA	WEEL TWA [ppm]	10 ppm
Ethylene glycol (107-21-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm (vapor fraction)
USA ACGIH	ACGIH OEL STEL	10 mg/m ³ (inhalable particulate matter, aerosol only)
USA ACGIH	ACGIH OEL STEL [ppm]	50 ppm (vapor fraction)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
2-Methoxyethanol (109-86-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	0.1 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA ACGIH	BEI (BLV)	1 mg/g Kreatinin Parameter: 2-Methoxyacetic acid - Medium: urine - Sampling time: end of shift at end of workweek
USA NIOSH	NIOSH REL (TWA)	0.3 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	0.1 ppm
USA IDLH	IDLH [ppm]	200 ppm
USA OSHA	OSHA PEL (TWA) [1]	80 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	25 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
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/m ³
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/m ³ (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

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USA NIOSH	NIOSH REL (TWA)	0.03 mg/m ³
USA IDLH	IDLH	60 mg/m ³
USA OSHA	OSHA PEL (TWA) [1]	0.3 mg/m ³
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption

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	: Opaque White
Odor	: Fresh
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: > 93 °C (199.4 °F) (Closed Cup)
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	: 0.991
Relative gas density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: Liquid
Viscosity, Dynamic	: 150 cP

9.2. Other Information

VOC content (California)	: 1 %
% NVM by Weight	: 4.04 %

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

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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. Will decompose above 150 °C (>300° F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

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

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)
1,2,3-Propanetriol (56-81-5)	
LD50 Oral Rat	12600 mg/kg
LD50 Dermal Rabbit	> 10 g/kg
Morpholine (110-91-8)	
LD50 Oral Rat	1050 mg/kg
LD50 Dermal Rabbit	310 – 810 mg/kg
LC50 Inhalation Rat	7.8 – 8.2 mg/l/4h
LC50 Inhalation Rat	> 8000 ppm (Exposure time: 8 h)
1,2-Propanediol (57-55-6)	
LD50 Oral Rat	20 g/kg
LD50 Dermal Rabbit	20800 mg/kg
D-Limonene (5989-27-5)	
LD50 Oral Rat	4400 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
Benzyl alcohol (100-51-6)	
LD50 Oral Rat	1230 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 4.178 mg/l/4h
ATE (Dust/Mist)	1.50 mg/l/4h
Ethylene glycol (107-21-1)	
LD50 Dermal Rat	10600 mg/kg
ATE (Oral)	500.00 mg/kg body weight
2-Methoxyethanol (109-86-4)	
LD50 Oral Rat	2370 mg/kg
LD50 Dermal Rabbit	1280 mg/kg
LC50 Inhalation Rat	15.98 mg/l/4h
LC50 Inhalation Rat	1478 ppm (Exposure time: 7 h)
Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.3 mg/l/4h
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

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Acrylonitrile (107-13-1)	
LD50 Oral Rat	193 mg/kg
LD50 Dermal Rabbit	63 mg/kg
LC50 Inhalation Rat	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

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Isopropyl alcohol (67-63-0)	
IARC group	3
Morpholine (110-91-8)	
IARC group	3
D-Limonene (5989-27-5)	
IARC group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

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.

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: Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

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

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

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

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])

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EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodemus subspicatus)
1,2,3-Propanetriol (56-81-5)	
LC50 Fish 1	54000 (51000 – 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
Morpholine (110-91-8)	
LC50 Fish 1	350 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	45 mg/l
LC50 Fish 2	375 – 460 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
NOEC Chronic Crustacea	5 mg/l
NOEC Chronic Algae	30.9 mg/l
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
D-Limonene (5989-27-5)	
LC50 Fish 1	0.619 (0.619 – 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0.421 mg/l
LC50 Fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Benzyl alcohol (100-51-6)	
LC50 Fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 Fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
NOEC Chronic Crustacea	51 mg/l
Ethylene glycol (107-21-1)	
LC50 Fish 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
NOEC Chronic Crustacea	4.2 mg/l
2-Methoxyethanol (109-86-4)	
LC50 Fish 1	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 Fish 2	9650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
ErC50 (Algae)	93.2 mg/l
NOEC Chronic Algae	93.2 mg/l
Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 Fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
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])

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ErC50 (Algae)	33.8 mg/l
NOEC Chronic Crustacea	2.04 mg/l
NOEC Chronic Algae	16 mg/l

12.2. Persistence and Degradability

Hybrid Solutions Inside Job Cleaner & Protectant	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Hybrid Solutions Inside Job Cleaner & Protectant	
Bioaccumulative Potential	Not established.

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

1,2,3-Propanetriol (56-81-5)	
BCF Fish 1	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1.76

Morpholine (110-91-8)	
BCF Fish 1	0.3 – 2.8
Partition coefficient n-octanol/water (Log Pow)	-2.55 (at 25 °C)

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

Benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	1.1

Ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.93

2-Methoxyethanol (109-86-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.85

Petroleum distillates, hydrotreated light (64742-47-8)	
BCF Fish 1	61 – 159

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

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information

: Avoid release to the environment.

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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.

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.

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)
1,2,3-Propanetriol (56-81-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Morpholine (110-91-8)	
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	
D-Limonene (5989-27-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Benzyl alcohol (100-51-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Ethylene glycol (107-21-1)	
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 %
2-Methoxyethanol (109-86-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a final Significant New Use Rule.
SARA Section 313 - Emission Reporting	1 %
Petroleum distillates, hydrotreated light (64742-47-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
SARA Section 313 - Emission Reporting	0.1 %
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	

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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 %

15.2. US State Regulations

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
1,2,3-Propanetriol (56-81-5)
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
Morpholine (110-91-8)
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
Benzyl alcohol (100-51-6)
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
Ethylene glycol (107-21-1)
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
2-Methoxyethanol (109-86-4)
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 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

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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

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
Ethylene glycol (107-21-1)		X		
2-Methoxyethanol (109-86-4)		X		X
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 : 02/08/2024
Formula Identification Number : 40860
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 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 (Inhalation:vapour)	Acute toxicity (inhalation:vapor) 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

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Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Muta. 1B	Germ cell mutagenicity Category 1B
Muta. 2	Germ cell mutagenicity Category 2
Repr. 1B	Reproductive toxicity Category 1B
Repr. 2	Reproductive toxicity Category 2
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. 1B	Skin sensitization, category 1B
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
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
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause 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

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H412

Harmful to aquatic life with long lasting effects

NFPA Health Hazard

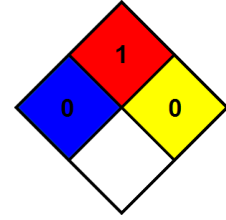
: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

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

: 0 Minimal Hazard

Flammability

: 1 Slight Hazard

Physical

: 0 Minimal Hazard

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