SAFETY DATA SHEET
DP 88 Industrial Spray Adhesive

Revision Date: November 11, 2021 **Version #:** 11.0

Section 1 – Product and Company Identification

Product identifier
Product Name: Fiberglass Edge Coating
Product Code: DP 88

Other means of identification
SDS number: RE1000039569

Recommended use and restrictions on use
Not Known

Recommended use
Coating

Supplier's Details
Manufactured For: Design Polymerics
Address: 3301 W. Segerstrom Ave., Santa Ana, CA 92704
Information Phone: (714) 432-0600

Emergency telephone number
Chem-Tel: (800) 255-3924 (24 hours)

Section 2 - Hazard Identification

Hazard Classification

Physical Hazards

Flammable aerosol	Category 1

Health Hazards

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Carcinogenicity	Category 1A
Toxic to reproduction	Category 2
Specific Target Organ Toxicity – Single Exposure	Category 3 (Narcotic effect.)
Specific Target Organ Toxicity – Repeated Exposure	Category 2

Environmental Hazards

Acute hazards to the aquatic environment	Category 3

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement: Extremely flammable aerosol.
Causes skin irritation.

Causes serious eye irritation.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life.

Precautionary Statements

Prevention:
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. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well- ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment.

Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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/attention. IF ON SKIN: Wash with plenty of water If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing.

Storage:
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal:
Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC):
None.

Section 3 – Composition/Information on Ingredients

Mixtures

Chemical Identity	CAS Number	Content in percent (%)*
2-Propanone	67-64-1	20 - <50%
Benzene, methyl-	108-88-3	10 - <20%
Propane	74-98-6	10 - <20%
Limestone	1317-65-3	5 - <10%
Benzene, dimethyl-	1330-20-7	1 - <5%
Carbon black	1333-86-4	1 - <5%
Benzene, ethyl-	100-41-4	1 - <5%
Crystalline Silica	14808-60-7	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

Section 4 – First Aid Measures

Description of Necessary First-Aid Measures:
Inhalation: Move to fresh air.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Personal Protection for First- aid Responders:
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Most important symptoms/effects, acute and delayed
Symptoms: No data available.
Hazards: No data available.

Indication of immediate medical attention and special treatment needed
Treatment: Symptoms may be delayed.

Section 5 – Fire-Fighting Measures

General Fire Hazards:
Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media:
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical:
Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Special firefighting procedures:
No data available.

Special protective equipment for fire-fighters:
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:
Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged

containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Accidental release measures:
Prevent entry into waterways, sewer, basements, or confined areas. Stop the flow of material if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk.

Methods and material for containment and cleaning up:
Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Environmental Precautions:
Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

Section 7 – Handling and Storage

Handling

Technical measures (e.g., Local and general ventilation):
No data available.

Safe handling advice:
Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. 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. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin.

Contact avoidance measures:
No data available.

Storage

Safe storage conditions:
Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 2.

Safe packaging materials:
No data available.

Storage Temperature:
No data available.

Section 8 – Exposure Controls/Personal Protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
2-Propanone	STEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	250 ppm	US. ACGIH Threshold Limit Values, as amended
	TWA	750 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	500 ppm	US. ACGIH Threshold Limit Values, as amended

	REL	250 ppm	590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Benzene, methyl-	STEL	150 ppm	560 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	100 ppm	375 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	375 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	Ceiling	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	MAX. CONC	500 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	STEL	150 ppm	560 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Limestone - Total	REL		10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Limestone - Respirable.	REL		5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Limestone - Total dust.	PEL		15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Limestone - Respirable fraction.	PEL		5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Limestone - Total dust.	TWA		15 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Limestone - Respirable fraction.	TWA		5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Benzene, dimethyl-	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	100 ppm		US. ACGIH Threshold Limit Values, as amended
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	STEL	150 ppm	655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	150 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Carbon black	REL		3.5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA		3.5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL		3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Carbon black - Inhalable fraction.	TWA		3 mg/m3	US. ACGIH Threshold Limit Values, as amended
Carbon black - as PAHs	REL		0.1 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Benzene, ethyl-	STEL	125 ppm	545 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	STEL	125 ppm	545 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended

Ethanol	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended
Naphtha (petroleum), hydrotreated light	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Crystalline Silica - Respirable dust.	REL		0.05 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Crystalline Silica - Respirable.	TWA		2.4 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
	TWA		0.1 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Crystalline Silica - Respirable fraction.	TWA		0.025 mg/m3	US. ACGIH Threshold Limit Values, as amended
Crystalline Silica - Respirable dust.	TWA		0.1 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Crystalline Silica - Respirable dust.	TWA		0.05 mg/m3	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
Crystalline Silica - Respirable dust.	PEL		0.05 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Crystalline Silica - Respirable dust.	OSHA_ACT		0.025 mg/m3	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
2-Propanol, 2-methyl-	PEL	100 ppm	300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	100 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	150 ppm	450 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	100 ppm	300 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL	150 ppm	450 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	300 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL
Benzene, methyl- (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEL
Benzene, methyl- (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEL
Benzene, methyl- (toluene: Sampling time: Prior to last shift of work week.)	0.02 mg/l (Blood)	ACGIH BEL
Benzene, dimethyl- (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEL
Benzene, ethyl- (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)	0.15 g/g (Creatinine in urine)	ACGIH BEL

Appropriate Engineering Controls
No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection:
Wear safety glasses with side shields (or goggles).

Skin Protection/Hand Protection:
No data available.

Skin and Body Protection:
Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection:
In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures:
Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin.

Section 9 – Physical and Chemical Properties

Appearance	
Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	Estimated -104 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	3,447 - 4,826 hPa (20 °C) 7,584 - 8,963 hPa (54 °C)
Vapor density (air=1):	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Self-Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available.
Dynamic viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

Section 10 – Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

Section 11 – Toxicological Information

Information on likely routes of exposure

Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Ingestion: No data available.

Symptoms related to the physical, chemical, and toxicological characteristics

Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: ATEmix: 65,885.08 mg/kg

Dermal
Product: ATEmix: 25,813.72 mg/kg

Inhalation
Product: ATEmix: 205.99 mg/l Vapour
ATEmix : 33.68 mg/l Dusts, mists and fumes

Repeated dose toxicity
Product: No data available.

Components:

2-Propanone	NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental result, Key study
Benzene, methyl-	LOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,250 mg/kg (Target Organ(s): Liver, Kidney) Oral Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): 625 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation - vapor): 2,355 mg/l Inhalation Experimental result, Key study
Propane	NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
Benzene, dimethyl-	NOAEL (Rat(Female), Oral, 90 d): 150 mg/kg Oral Experimental result, Key study
Carbon black	NOAEL (Rat(Female), Oral, 52 - 104 Weeks): 52 mg/kg Oral Experimental result, Key study
Benzene, ethyl-	NOAEL (Mouse(Female, Male), Inhalation, 104 Weeks): 75 ppm(m) Inhalation

Experimental result, Key study
NOAEL (Rat(Female, Male), Oral, 28 d): 75 mg/kg Oral
Experimental result, Key study

Skin Corrosion/Irritation

Product: No data available.

Components:

2-Propanone	in vivo (Rabbit): Not irritant
Benzene, methyl-	in vivo (Rabbit): Irritating
Benzene, dimethyl-	in vivo (Rabbit): Moderate irritant estimated Irritating.
Carbon black	in vivo (Rabbit): Not irritant

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

2-Propanone	Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant
Benzene, methyl-	Rabbit, 24 - 72 hrs: Not irritating
Benzene, dimethyl-	Rabbit, 1 hrs: Slightly irritating (Not Classified)
Carbon black	Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Components:

2-Propanone	Skin sensitization: in vivo (Guinea pig): Non sensitizing
Benzene, methyl-	Skin sensitization: in vivo (Guinea pig): Non sensitizing
Carbon black	Skin sensitization: in vivo (Guinea pig): Non sensitizing
Benzene, ethyl-	Skin sensitization: in vivo (Human): Non sensitizing

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Carbon black	Overall evaluation: 2B. Possibly carcinogenic to humans.
Benzene, ethyl-	Overall evaluation: 2B. Possibly carcinogenic to humans.
Crystalline Silica	Overall evaluation: 1. Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

Carbon black	Overall evaluation: 2B. Possibly carcinogenic to humans.
Benzene, ethyl-	Overall evaluation: 2B. Possibly carcinogenic to humans.
Crystalline Silica	Overall evaluation: 1. Carcinogenic to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

Crystalline Silica	Cancer

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Components:

Benzene, methyl- Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

2-Propanone Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

Benzene, methyl- Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Benzene, methyl- Category 2

Benzene, ethyl- Category 2

Target Organs

Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

Aspiration Hazard

Product: No data available.

Components:

Benzene, methyl- May be fatal if swallowed and enters airways.

Benzene, ethyl- May be fatal if swallowed and enters airways.

Other effects: No data available.

Section 12 – Ecological Information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

2-Propanone LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study

Benzene, methyl- LC 50 (Oncorhynchus kisutch, 96 h): 5.5 mg/l Experimental result, Key study

Propane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

Benzene, ethyl- LC 50 (Fathead minnow (Pimephales promelas), 96 h): 38.9 - 62.83 mg/l Mortality

Aquatic Invertebrates

Product: No data available.

Components:

2-Propanone LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study

Benzene, methyl- LC 50 (Water flea (Daphnia magna), 48 h): 54.6 - 174.7 mg/l Mortality

LC 50 (Ceriodaphnia dubia, 2 d): 3.78 mg/l Experimental result, Key study

Benzene, ethyl- LC 50 (Water flea (Daphnia magna), 24 h): 57 - 100 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Benzene, methyl- NOAEL (Oncorhynchus kisutch): 1.39 mg/l Experimental result, Key study

LOAEL (Oncorhynchus kisutch): 2.77 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Components:

2-Propanone	LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
Benzene, methyl-	LOAEL (Ceriodaphnia dubia): 2.76 mg/l Experimental result, Key study NOAEL (Ceriodaphnia dubia): 0.74 mg/l Experimental result, Key study
Benzene, ethyl-	LC 50 (Ceriodaphnia dubia): 3.2 mg/l Other, Key study NOAEL (Ceriodaphnia dubia): 1 mg/l Other, Key study

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

2-Propanone	90.9 % (28 d) Detected in water. Experimental result, Key study
Benzene, methyl-	100 % (14 d) Detected in water. Experimental result, Weight of Evidence study 86 % Detected in water. Experimental result, Weight of Evidence study
Propane	100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
Benzene, dimethyl-	87.8 % Detected in water. Read-across from supporting substance (structural analogue or surrogate), Key study
Benzene, ethyl-	2.7 % Detected in water. Other, Supporting study 70 - 80 % (28 d) Detected in water. Experimental result, Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

2-Propanone	Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified
Benzene, methyl-	Leuciscus idus, Bioconcentration Factor (BCF): 90 Aquatic sediment Experimental result, Key study
Benzene, dimethyl-	Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 7.6 - < 21.6 Aquatic sediment Experimental result, Key study
Benzene, ethyl-	Carassius auratus, Bioconcentration Factor (BCF): 15.5 Aquatic sediment Other, Supporting study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

Benzene, dimethyl-	Log Kow: 2.77 - 3.15 No Not specified, Not specified
Benzene, ethyl-	Log Kow: 3.13 - 3.14 No Other, Supporting study

Mobility in soil: No data available.

Components:

2-Propanone	No data available.
Benzene, methyl-	No data available.
Propane	No data available.
Limestone	No data available.
Benzene, dimethyl-	No data available.
Carbon black	No data available.
Benzene, ethyl-	No data available.
Crystalline Silica	No data available.

Other adverse effects: Harmful to aquatic organisms.

Section 13 – Disposal Considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

Section 14 – Transport Information

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	–
EmS No.:	
Packing Group:	–
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	–
Packing Group:	–
Special precautions for user:	Not regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 203
Cargo aircraft only:	Allowed. 203

IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	–
EmS No.:	F-D, S-U
Packing Group:	–
Special precautions for user:	Not regulated.

The classification shown in this section may be eligible for use of an exception, such as "Limited Quantity", per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

Section 15 – Regulatory Information

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

Chemical Identity	OSHA hazard(s)
Crystalline Silica	lung effects immune system effects Cancer kidney effects

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity
2-Propanone
Acetone
Benzene, Methyl- Xylene (Mixed) Ethylbenzene
RCRA Hazardous Waste No. D001
Unlisted Hazardous Wastes Characteristic of Ignitability

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Flammable (gases, aerosols, liquids, or solids), Skin Corrosion or Irritation, Serious eye damage or eye irritation, Carcinogenicity, Reproductive toxicity, Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances
None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Chemical Identity	% by weight
Benzene, methyl-	1.0%
Benzene, dimethyl-	1.0%
Benzene, ethyl-	0.1%

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations
US. California Proposition 65

WARNING: This product can expose you to chemicals including, Carbon black, Benzene, ethyl-, Crystalline Silica which is [are] known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
2-Propanone
Benzene, methyl-
Propane
Limestone
Benzene, dimethyl-
Carbon black
Benzene, ethyl-
Ethanol
Crystalline Silica

US. Massachusetts RTK - Substance List

Chemical Identity
Crystalline Silica

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
2-Propanone
Benzene, methyl-
Propane
Limestone
Benzene, dimethyl-
Carbon black
Benzene, ethyl-

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol
2-Propanone

Stockholm convention
2-Propanone

Rotterdam convention
2-Propanone

Kyoto protocol

Inventory Status:

Australia AICS	On or in compliance with the inventory
Canada DSL Inventory List	On or in compliance with the inventory
Canada NDSL Inventory	Not in compliance with the inventory
Ontario Inventory	On or in compliance with the inventory
China Inv. Existing Chemical Substances	On or in compliance with the inventory
Japan (ENCS) List	Not in compliance with the inventory
Japan ISHL Listing	Not in compliance with the inventory
Japan Pharmacopoeia Listing	Not in compliance with the inventory
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory
Mexico INSQ	On or in compliance with the inventory
New Zealand Inventory of Chemicals	On or in compliance with the inventory
Philippines PICCS	On or in compliance with the inventory
Taiwan Chemical Substance Inventory	On or in compliance with the inventory
US TSCA Inventory	On or in compliance with the inventory
EINECS, ELINCS or NLP	Not in compliance with the inventory

Section 16 – Other Information

Revision Date: November 11, 2021. Supersedes all previous

Version #: 11.0

Revision Notes: No data available.

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