



Safety Data Sheet (SDS)

RaynGuard Protective Materials, Inc.

RaynGuard Quick Dry

SDS Number: 422

Revision Date: 7/11/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

RaynGuard Protective Materials, Inc.
 8280 14th Avenue
 Sacramento, CA 95826

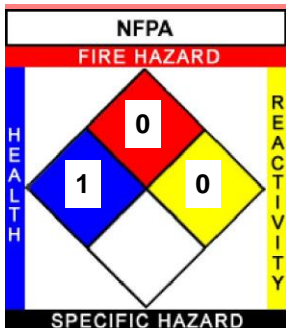
Contact: RaynGuard Protective Materials, Inc.
Phone: 916-454-2560 // 800-544-2560
Fax: 916-452-1836
Web: www.raynguard.com

Product Name: RaynGuard Quick Dry
Revision Date: 7/11/2015
Version: 1
SDS Number: CAS 422
Number: Chemical MIXTURE
Family: Chemical Synthetic Dispersant
Formula: *** PROPRIETARY ***
Synonyms: RaynGuard Quick Dry
Product Use: Synthetic dispersant polymer.
Emergency Phone: 1-800-424-9300 (CHEMTREC)

2 HAZARDS IDENTIFICATION

NFPA:
 HMIS III:

Health = 1, Fire = 0, Reactivity = 0
 H1/F0/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION A I Safety Glasses	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A	n	o	p
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves
t	u	w	y
Dust Respirator	Vapor Respirator	Dust & vapor Respirator	Full Face Respirator
z			
Additional Information			



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GHS Signal Word:
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Oral
Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Phrases:

H303 - May be harmful if swallowed
H319 - Causes serious eye irritation

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash skin thoroughly after handling.
P281 - Use personal protective equipment as required.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with soap and water.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337+313 - If eye irritation persists: Get medical advice/attention.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	I Percentage	I Chemical Name
1317-65-3	82.16-76.8%	Proprietary, non-hazardous, non-regulated
N/A	16.5%	Trade Secret*
9002-93-1	0.67-3.35%	Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-
9036-19-5	0.67-3.35%	Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-

*The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.



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4 FIRST AID MEASURES

- Inhalation:** Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Promptly flush skin with water for several minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.
- Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists, obtain medical attention.
- Ingestion:** Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. If irritation develops and/or persists, seek medical attention

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:

No data available.

5 FIRE FIGHTING MEASURES

- Flammability:** Not flammable
- Flash Point:** DNA
- Flash Point Method:** DNA
- Burning Rate:** No data available
- Autoignition Temp:** No data available
- LEL:** DNA
- UEL:** DNA

Extinguishing Media:

Water Spray
Dry Chemical
Carbon Dioxide
Alcohol-Resistant Foam

Special Hazards Arising From the Substance or Mixture:

Acrylic Monomers
Carbon Oxides

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.
Use water spray to cool unopened containers.
See Section 7 for more information on safe handling.
See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.



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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, as required.
Keep from contacting skin or eyes.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.

Environmental precautions:

Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods and materials for containments and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Place contaminated material into suitable, closed containers for disposal.
Spill may also be diluted with equal volume of water and absorbed (as above) or collect with an electrically-protected vacuum cleaner or by wet-brushing. Collected waste should then be placed in container for disposal.
Dispose of contaminated material according to Section 13.

Reference to other sections:

Comply with federal, state and local regulations on reporting spills.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on proper disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mists.
Avoid contact with eyes, skin, or clothing.
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Do not puncture or drop containers.
Handle with care and avoid spillage on the floor.
Keep material out of reach of children.
Keep material away from incompatible materials.
Wash thoroughly after handling.
Ensure adequate ventilation.

Storage Requirements: Keep away from heat, sparks and flames.
Do not store in direct sunlight.
Store above -6.67° C (20.0° F).
Store away from strong acids, strong bases and strong oxidizing agents.

S EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip: Eye/face protection:



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When using material use safety glasses, according to HMIS PP, A. Use of a vapor respirator according to HMIS PP, U is also highly recommended when working with concentrated material in confined or poorly ventilated spaces. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Not required when used as directed. If desired, handle with gloves made from Neoprene, Nitrile or Buna rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:

Chemically resistant safety glasses are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:

Not required when used as directed. A full-face dust/vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds. All respiratory equipment must either be NIOSH/MSHA-approved (under 30 CFR 11) or NIOSH-approved (under 42 CFR 84).

Control of environmental exposure:

Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Liquid	Odor:	Sweet
Physical State:	Liquid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	100%
Particle Size:	Not determined	Softening Point:	Not determined
Spec Grav./Density:	1.085 g/ml (9.05 lbs/gal)	Percent Volatile:	Not determined
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	Not determined
Boiling Point:	Not determined	Flash Point:	DNA
Flammability:	(solid, gas): Not flammable	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	(air = 1): Not determined
Vapor Pressure:	(mm Hg @ 20 °C): Not determined	VOC:	Not determined
pH:	@ 100%: 5.0	Bulk Density:	Not determined
Evap. Rate:	DNA	Auto-Ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	DNA
Decomp Temp:	Not determined		



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STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to Avoid: Incompatibilities, flames, ignition sources.
Materials to Avoid: Strong acids, strong bases and strong oxidizing agents.
Hazardous Decomposition: Acrylic Monomers, Carbon Oxides.
Hazardous Polymerization: Will not occur.

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TOXICOLOGICAL INFORMATION

Component(s): Trade Secret; Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-; Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-
CAS No(s): N/A; 9002-93-1; 9036-19-5

Acute Toxicity:

LD50 Oral - Rat: 1,800 mg/kg

LD50 Dermal - Rabbit: 8,000 mg/kg

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: Rabbit eyes - Moderate eye irritation (24 h).

Respiratory or Skin Sensitation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: Known to be a human carcinogen (Silica, crystalline quartz).

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity - Single Exposure: Respiratory system - May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information:

Component: Trade Secret; RTECS: N/A

Component: Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-; RTECS: MD0907700

Component: Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-; RTECS: MD0907600



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ECOLOGICAL INFORMATION

Component(s): Trade Secret; Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-; Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-
CAS No(s): N/A; 9002-93-1; 9036-19-5

Toxicity:

Toxicity to fish:

LC50 - Pimephales promelas (Fathead Minnow): 8.9 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water Flea): 26 mg/l (24 h)

Persistence and Degradability:

Biodegradability - Biotic/Aerobic Biochemical Oxygen Demand: 36% - Not readily biodegradable (28 d)
Chemical Oxygen Demans (COD): 2.19 mg/g

Bioaccumulative potential:

No data available.

Mobility in Soil:

No data available.

Results of PBT and vPvB assessment:

Not required/conducted.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

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DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

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TRANSPORT INFORMATION

DOT (US)

Non-Regulated Material, Liquid

IMDG

Non-Regulated Material, Liquid

IATA

Non-Regulated Material, Liquid



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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Trade Secret (N/A 16.5%) TSCA

*Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9002931 1-5%) NJHS, PA, SARA311/312, TSCA

*Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9036195 1-5%) MASS, NJHS, PA, SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
NJHS = New Jersey Right to Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals
TSCA = Toxic Substances Control Act

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OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that RaynGuard Protective Materials, Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of RaynGuard Protective Materials, Inc.'s control, RaynGuard Protective Materials, Inc. makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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