

SAFETY DATA SHEETS

PRO-BOND

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SECTION 1: COMPANY AND PRODUCT INFORMATION

Manufacturer's Name / Address:

Trade Name:

PRO-BOND

DURACORP

2664 Vista Pacific
Oceanside, CA 92056
(760) 758-7240

Intended Use: BINDER FOR CONSTRUCTION PRODUCTS

Emergency Phone:

CHEMTREC 800-424-9300

D.O.T. Proper Shipping Name: NOT REGULATED

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification (GHS): Not a hazardous substance or mixture.

Label elements

Labeling (GHS): No labeling according to GHS required.

Reportable ingredients for labeling:

Water

Vinyl acetate/vinyl alcohol copolymer

Vinyl acetate/ethane copolymer

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization (preparation)

Chemical characteristics

Copolymer of: vinyl acetate + ethylene (dispersion in water)

Information on ingredients:

This material does not contain any reportable hazardous ingredients.

Substances listed in the subsections "HAPS" AND "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for the non-carcinogenic HAPS or they are inextricably bound in the product.

SECTION 4: FIRST AID MEASURES

General Information: Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

After inhalation: If inhaled as aerosol, remove to fresh air. No special measures required.

After contact with the skin: If contact with skin, immediately flush skin with plenty of water for at least 15 min. Wash with soap and water.

After contact with the eyes: If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

After swallowing: For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

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SECTION 5: FIRE FIGHTING MEASURES
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Flammable properties:

Property:	Value:	Method:
Flashpoint.....:	not applicable	
Boiling point / boiling range.....:	approx.. 100° C (212° F) at 1013 HPa	
Lower explosion limit (LEL).....:	not applicable	
Ignition temperature.....:	not applicable	

Fire and explosion hazards: Dried up material is combustible. This material does not present any unusual fire or explosion hazards.

Recommended extinguishing media: Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent to the fire.

Unsuitable extinguishing media: Not applicable

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: No applicable

Fire fighting procedures: Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURE
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Precautions: Wear personal protection equipment (see section 8). If material is released indicate risk of slipping. HAZWOPER PPE Level: C

Containment: Prevent material from entering sewers or surface water. Contain any fluid that runs out using suitable material (e.g. earth). Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

Methods of cleaning up: Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

SECTION 7: HANDLING AND STORAGE
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General Information: Avoid exposure by technical measures or personal protective equipment.

Handling

Precautions for safe handling: Spilled substance increases risk of slipping

Precautions against fire and explosion: No special precautions against fire and explosion required.

Storage

Conditions for storage rooms and vessels: Protect against frost.

Advice for storage of incompatible materials: Not applicable

Further information for storage: Not applicable

Minimum temperature allowed during storage and transportation: 0° C (32°F)

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:

Ventilation: Use with adequate ventilation.

Local exhaust: Not necessary

Associate substances with specific control parameters such as limit values

Personal protection equipment (PPE)

Respiratory protection: Not necessary

Hand protection: Rubber gloves

Eye protection: Chemical safety goggles

Other protective clothing or equipment: Protective clothing to cover exposed areas of arms, legs, and torso

General hygiene and protection measures: Avoid contact with eyes, skin and clothing. Do not eat or drink when handling. Wash thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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Appearance

Physical state/form.....: liquid

Color.....: white

Odor.....: weak

Safety Parameters

Property	Value:	Method
Melting point / melting range.....	Approx.. 0.00° C (32° F)	
Boiling point / boiling range.....	Approx.. 100° C (212° F) at 1013 hPa	
Flash point.....	not applicable	
Ignition temperature.....	not applicable	
Lower explosion limit (LEL).....	not applicable	
Vapor pressure.....	23 hPa at 20° C (68° F)	
Density.....	1.05 g/cm ³	
Water Solubility / miscibility.....	moderately soluble	
pH – Value.....	4.0 – 5.0	
Viscosity (dynamic).....	1800 – 2700 mPa.s	

SECTION 10: STABILITY AND REACTIVITY DATA
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General information: If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to avoid: None known

Materials to avoid: None known

Hazardous decomposition products: If stored and handled properly: none known. At increased temperature: acetic acid.

Further information: Hazardous polymerization cannot occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicology effects

General information: Data derived for the product as a whole are of higher priority than data for single ingredients.

Acute toxicity

Assessment: Based on the available data acute toxic effects are not expected after single oral exposure.

Product details:

Route of exposure	Result / Effect	Species / test system	Source
Oral	LD ₅₀ : > 2000 mg/kg	Rat	Conclusion by analogy OECD 423

Skin corrosion / irritation

Assessment: Based on the available data a clinically relevant skin irritation hazard is not expected.

Product details:

Result / Effect	Species / Test System	Source
Not irritating	Rabbit	Conclusion by analogy OECD404

Serious eye damage / eye irritation

Assessment: Based on the available data a clinically relevant eye irritation hazard is not expected.

Product details:

Result / Effect	Species / Test System	Source
Not irritating	Rabbit	Conclusion by analogy OECD405

Respiratory or skin sensitization

Assessment: For this endpoint no toxicological test data is available for the whole product.

Data related to ingredients:

5-Chloro-2-methyl-4-isothiazoline-3-on and 2-methyl-4-isothiazoline-3-on (mixture in a ratio of 3:1):

Based on the proven low sensitization induction threshold in human, mixtures containing \geq 15ppm are classified as skin sensitizing in Europe.

Germ cell mutagenicity

Assessment: Based on known data a significant mutagenic potential may be excluded.

Product details:

Result / Effect	Species / Test System	Source
Negative	Mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

Carcinogenicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Reproductive toxicity

Assessment: For this endpoint no toxicological test data is available for the whole products.

Specific target organ toxicity (single exposure)

Assessment: For this endpoint no toxicological test data is available for the whole products.

Aspiration hazard

Assessment: Based on the physical – chemical properties of the product no aspiration hazard must be expected.

Further toxicological information: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by 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 OSHA.

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Assessment: No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Product details:

Result / Effect	Species / Test system	Source
LC ₅₀ : > 100 mg/l	Rainbow trout (Oncorhynchus mykiss) (96h)	Conclusion by analogy OECD 203
EC ₁₀ : > 1000 mg/l	Sludge (0.5h)	Conclusion by analogy

Persistence of degradability

Assessment: Polymer component: Not readily biodegradable. Elimination by absorption to activated sludge. Separation by flocculation is possible.

Bioaccumulative potential

Assessment: No adverse effects expected.

Mobility in soil

Assessment: No adverse effects expected.

Other adverse effects: None known

Additional information: The ecotoxicological results provided were obtained from tests with similar products.

SECTION 13: DISPOSAL CONSIDERATIONS
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Product disposal

Recommendation: Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

Packaging disposal

Recommendation: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

Recommended cleaning agent: Water.

SECTION 14: TRANSPORT INFORMATION
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US DOT & CANADA TDG SURFACE

Valuation..... : Not regulated for transport

Other information : Protect from freezing, when exposed to cold temperatures approaching 0° C (32° F) or below

Transport by sea IMDG-Code

Valuation..... : Not regulated for transport

Air transport ICAO-TI/IATA-DGR

Valuation..... : Not regulated for transport

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SECTION 15: REGULATORY INFORMATION

US Federal regulations

TSCA inventory status and TSCA information: This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification: This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals: This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.

SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

CAS No.	Chemicals	Upper limit wt. %
75-07-0	Acetaldehyde	<0.002
67-56-1	Methanol	<0.007
50-00-0	Formaldehyde	<0.014

U.S. State regulations

Massachusetts Substance List: This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List: This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.

Canadian regulations: This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

WHMIS Hazard Classes: None.

DSL Status: This material or its components are listed on the Canadian Domestic Substances List.

Canadian Ingredients Disclosure List: This material contains no listed components.

Details of International registration status: Relevant information about individual substance inventories, where available, is given below.

South Korea (Republic of Korea).....: **ECL** (Existing Chemicals List):

This product is listed in, or complies with, the substance inventory.

Japan: **ENCS** (Handbook of Existing and New Chemical Substances):

This product is listed in, or complies with, the substance inventory.

Australia: **AICS** (Australian Inventory of Chemical Substances):

This product is listed in, or complies with, the substance inventory.

People's Republic of China.....: **IECSC** (Inventory of Existing Chemical Substances in China):

This product is listed in, or complies with, the substance inventory.

Canada: **DSL** (Domestic Substance List):

This product is listed in, or complies with, the substance inventory.

United States of America (USA): **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):

This product is listed in, or complies with, the substance inventory.

European Economic Area (EEA).....: **REACH** (Regulations (EC) No 1907-2006):

General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

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SECTION 16: OTHER INFORMATION

Additional Information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communications Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Glossary of Terms:


- ACGIH –American Conference of Governmental Industrial Hygienists
- DOT – Department of Transportation
- hPa – Hectopascals
- mPa*s – Milli Pascal-Seconds
- OSHA – Occupational Safety and Health Administration
- PEL – Permissible Exposure Limit
- ppm – Parts per Million
- SARA – Superfund Amendments and Reauthorization Act
- STEL – Short Term Exposure Limit
- TSCA – Toxic Substances Control Act
- TWA – Time Weighted Average
- WHMIS – Canadian Workplace Hazardous Materials Identification System

Flash point determination methods	Common Name
ASTM D56	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679	Setaflash or Rapid closed cup
DIN 51755	Abel - Pensky

Conversion Table:

Pressure:.....: 1 hPa * 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa
 Viscosity:.....: 1 mPa*s = 1 centipoise (cP)

CALIFORNIA PROPOSITION 65

	<p>WARNING: This product can expose you to Acetaldehyde, Formaldehyde, and Methanol which is known to the State of California to cause cancer, birth defects, and reproductive harm. For more information, go to www.P65Warnings.ca.gov.</p>
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California Proposition 65 – CRT: Listed Date/Carcinogenic substance

Acetaldehyde (CAS 75-07-0)	Listed: April 1, 1988
Formaldehyde (CAS 50-00-0)	Listed: January 1, 1988
Methanol (CAS 67-56-1)	Listed: March 16, 2012

SDS Revised Date: September 2018