

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Issue date 09/06/2024

Revised on 09/06/2024

* 1 Identification

- **Product Identifier**
- **Trade Name:** PROBLEND™ DD 5000
- **Product Number:** 13546
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Use only for the purpose on the product label.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
 Seatex, LLC
 445 TX Hwy 36
 Rosenberg, TX 77471
 Phone: 713-357-5300
 problendsolutions.com
- **Emergency telephone number:** InfoTrac 1-800-535-5053

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Corrosion

Skin Corrosion 1A H314 Causes severe skin burns and eye damage.
 Eye Damage 1 H318 Causes serious eye damage.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger

- **Hazard-determining components of labeling:**
 C12-C14-Alkyl(ethylbenzyl)dimethylammonium chloride
 C12-C18 alkyl benzyl dimethyl ammonium chloride

- **Hazard statements:**

H314 Causes severe skin burns and eye damage.

- **Precautionary statements:**

P260 Do not breathe dusts or mists.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a poison center/doctor.
 P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



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

3 Composition/Information on Ingredients

Chemical characterization: Substance

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

497-19-8	Sodium carbonate ⚠ Eye Irritation 2A, H319	1-5%
68391-01-5	C12-C18 alkyl benzyl dimethyl ammonium chloride ⚠ Skin Corrosion 1A, H314; Eye Damage 1, H318; ⚠ Acute Toxicity - Oral 4, H302	1-5%
85409-23-0	C12-C14-Alkyl(ethylbenzyl)dimethylammonium chloride ⚠ Skin Corrosion 1B, H314; Eye Damage 1, H318; ⚠ Acute Toxicity - Oral 4, H302; ⚠ Acute Toxicity - Dermal 4, H312	1-5%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures

General information: If symptoms persist, call a physician.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If irritation persists or burns occur, get medical attention.

After eye contact:

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

After swallowing:

Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is required.

Information for doctor

Most important symptoms and effects, both acute and delayed: No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.
As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes, or clothing. Keep people away from and upwind of spill leak.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

• **PAC-1:**

497-19-8	Sodium carbonate	7.6 mg/m ³
68391-01-5	C12-C18 alkyl benzyl dimethyl ammonium chloride	0.61 mg/m ³

• **PAC-2:**

497-19-8	Sodium carbonate	83 mg/m ³
68391-01-5	C12-C18 alkyl benzyl dimethyl ammonium chloride	6.8 mg/m ³

• **PAC-3:**

497-19-8	Sodium carbonate	500 mg/m ³
68391-01-5	C12-C18 alkyl benzyl dimethyl ammonium chloride	60 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:**



Safety glasses

- **Limitation and supervision of exposure into the environment:** None

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9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Red

· **Odor:** Typical

· **Odor threshold:** Not determined.

· **pH-value @ 20 °C (68 °F):** 11-13

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: ≥98 °C (≥208.4 °F)

· **Flash point:** None

· **Flammability:** Not applicable.

· **Auto igniting:** Not applicable

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapor pressure:** Not determined.

· **Density @ 20 °C (68 °F):** 1.044 g/cm³ (8.7122 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

· **Evaporation rate @ 20 °C (68 °F):** <1

· **Solubility in / Miscibility with:**

Water: Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

· **Solvent content:**

VOC content: 0.07 %

· **Other information:** No further relevant information available.

10 Stability and Reactivity

· **Reactivity:** No further relevant information available.

· **Chemical stability:** Product is stable under normal conditions.

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions:** No dangerous reactions known.

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- **Conditions to avoid:** Exposure to air or moisture over prolonged periods.
- **Incompatible materials:**
Incompatible with strong acids and bases. Strong oxidizing agents. Anionic surfactants.
- **Hazardous decomposition products:**
Thermal decomposition can lead to release of irritating and toxic gases and vapors. Oxides of ammonia.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

497-19-8 Sodium carbonate

Oral	LD50	4,090 mg/kg (Rat)
Inhalative	LC50/96 hours	300 mg/l (Cyprinodon variegatus (minnow))

68391-01-5 C12-C18 alkyl benzyl dimethyl ammonium chloride

Oral	LD50	650 mg/kg (Rat)
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- **Primary irritant effect:**
- **On the skin:** Strong caustic effect on skin and mucous membranes.
- **On the eye:**
Strong irritant with the danger of severe eye injury.
Corrosive effect.
Causes serious eye irritation.
- **Additional toxicological information:**

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

- **Toxicity:**

- **Aquatic toxicity:**

497-19-8 Sodium carbonate

EC50	227 mg/l (Daphnia)
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- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxic effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Poisonous for fish and plankton in water bodies.

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Toxic for aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Results of PBT and vPvB assessment:

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:** Must not be disposed of together with household waste. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, IMDG, IATA** Non-Regulated Material
- **ADR/ADN** UN-
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:**
- **ADR/ADN**
- **Remarks:** > 5 l: 9
- **IATA**
- **Remarks:** > 5 l: Class 9
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:** No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

• **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

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<ul style="list-style-type: none"> • Section 313 (Specific toxic chemical listings): 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • TSCA (Toxic Substances Control Act): 		
497-19-8	Sodium carbonate	ACTIVE
68391-01-5	C12-C18 alkyl benzyl dimethyl ammonium chloride	ACTIVE
<ul style="list-style-type: none"> • Hazardous Air Pollutants 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • California Proposition 65: 		
<ul style="list-style-type: none"> • Chemicals known to cause cancer: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Chemicals known to cause reproductive toxicity for females: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Chemicals known to cause reproductive toxicity for males: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Chemicals known to cause developmental toxicity: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • New Jersey Right-to-Know List: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • New Jersey Special Hazardous Substance List: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Pennsylvania Right-to-Know List: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Pennsylvania Special Hazardous Substance List: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Carcinogenic categories: 		
<ul style="list-style-type: none"> • EPA (Environmental Protection Agency): 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • TLV (Threshold Limit Value established by ACGIH): 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • NIOSH-Ca (National Institute for Occupational Safety and Health): 		
None of the ingredients are listed.		

- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
C12-C14-Alkyl(ethylbenzyl)dimethylammonium chloride
C12-C18 alkyl benzyl dimethyl ammonium chloride

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- **Hazard statements:**

H314 Causes severe skin burns and eye damage.

- **Precautionary statements:**

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Contact:**

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Skin Corrosion 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion 1B: Skin corrosion/irritation – Category 1B

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

- *** Data compared to the previous version altered.**

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