

Safety Data Sheet

Acc. To OSHA HCS (29 CFR 1910.1200)

29 July 2015

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Trade Name: ProBlend® ART-1

1. Identification

Product Identifier: 7178

Trade Name: ProBlend® ART-1

Recommended use and restriction of use

Recommended use: Acid replacement for OEM use

Restrictions on use: Use only as directed

Details of supplier/manufacturer of Safety Data Sheet:

ConSeal International, Inc.

90 Kerry Place, Suite 2

Norwood, MA 02062

(781) 278-0010

Emergency Telephone number:

ChemTel, Inc.

(800) 255-3924, 1+ (813) 248-0585

2. Hazard(s) Identification

Classification of substances or mixture

Additional Information:

Label elements:

GHS label elements:

Skin Irr. 2 **H290** May be corrosive to metals.

Eye Irr. 1 **H315** Causes skin irritation.

Acute Tox. Oral 4 **H319** Causes serious eye irritation

H302 Harmful if swallowed.

DOT: *Corrosive to Aluminum, Excepted per 49CFR 173.154 (d) (1). This product was tested for corrosivity toward a steel surface and found to be Non-Corrosive by the test protocol. It is therefore specifically exempted from corrosive warnings for transportation purposes.*

Hazard pictograms:



Irritant

Signal word: Warning

Hazard-determining components of labeling:

Hazard statements:

H290 May be corrosive to metals.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H302 Harmful if swallowed

Precautionary statements:

P234 Keep only in original container.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash hands thoroughly after handling.

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

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse SKIN with water/shower.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.

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	Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P404	Store in a closed container.
P405	Store locked up.
P501	Dispose of contents/container to appropriate waste site or reclaimer in accordance with local and national regulations.

Hazard description:

WHMIS symbols: Non-hazardous

Classification system:



NFPA ratings (scale 0-4)

HMIS ratings (scale 0-4)

Other Hazards

Results of PBT and vPvB assessment:

PBT: Not Applicable

vPvB: Not Applicable

3. Composition/Information on Ingredients:

Chemical characterizations: Proprietary

Description: Mixture of substances

Dangerous components:

Additional information: For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

4. First-aid Measures:

Description of first-aid measures

General information:

Immediately remove any clothing soiled by the product.

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

After skin contact: Immediately rinse with water. If irritation continues, consult a doctor.

After eye contact: Remove contacts lenses if worn, if possible. Rinse opened eye(s) for several minutes with running water. Then consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Information for doctor:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

SECTION 5.

Most important symptoms and effects, both acute and delayed: Can cause severe eye irritation and dermatitis with prolonged skin contact

Danger issues:

Can cause severe eye irritation

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Indication of an immediate medical attention and special treatment needed: No additional information available

5. Fire-fighting measures

Extinguishing Media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information: No further relevant information available

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Environmental precautions: Do not allow product to enter sewers, surface of ground water.

Methods and materials for containment and clean up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to Sec. 13

Reference to other section: Refer to Sec. 7, 8, and 13.

7. Handling and storage

Handling

Precautions for safe handling:

Use in well ventilated areas

Open and handle receptacles with care.

Avoid splashes or sprays in enclosed areas

Avoid contact with eyes and skin.

Wash hands before breaks and at the end of work.

Use personal protective equipment as required

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including and incompatibilities: Avoid contact with strong oxidizers. This material is acidic and contact with chlorates, nitrates, and hypochlorites will liberate toxic gases. Contact with alkali material will generate heat

Storage

Requirements to be met by storerooms and receptacles:

Store only in original receptacle

Information about storage in one common storage facility:

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Specific end uses: No further relevant information available

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see item 7

Control parameters

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Components with limit values that require monitoring at the workplace: 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 were used as the basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed

Keep away from foodstuff, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Avoid contact with the eye and skin

Use only in well ventilated areas.

Engineering controls:



Breathing equipment: Not normally needed when used in well ventilated area. Avoid mist and vapor.

Protection of hands: Gloves are required

Material of gloves: Rubber or nitrile

Penetration time of glove material: Not available

Eye protection: Chemical goggles or full face shield recommended

Body protection: Protective work clothing is highly recommended

Limitation and supervision of exposure into the environment: No further relevant information available

9. Physical and Chemical Properties

Information on basic physical and chemical properties

General information

Appearance:

Form: Liquid

Color: Clear amber color

Odor: Mild

Odor threshold: Not determined

pH value: < 1.0 (Typical)

Melt point/ range: Not determined

Boiling point/ range: Not determined

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

Auto-ignition temp: Not determined

Decomposition temperature: Not determined

Auto igniting: 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 at 20 C (F):

Density at 20 C (F):

Specific Gravity: 1.21 (10.091 lb./gal.)

Vapor density: Not determined

Evaporation rate: Not determined

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Solubility/miscibility with water: Soluble (100% in water)

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

Viscosity: Not determined

Solvent content:

VOC (California): 0 %

Other information: No further relevant information available

10. Stability and Reactivity

Reactivity

Chemical Stability

Thermal decomposition/conditions to be avoided: Avoid contact with strong oxidizers. This material is acidic and contact with chlorates, nitrates, and hypochlorites will liberate toxic gases. Contact with alkali material will generate heat. Thermal decomposition yields oxides of carbon, nitrogen, and chlorine. Hydrogen gas may be released upon contact with certain metals (aluminum).

Possibility of hazardous reactions: Reaction will occur with strong oxidizers and strong alkali

Conditions to avoid:

Incompatible materials: Reaction will occur with strong oxidizers, strong alkali, and corrosive to aluminum

Hazardous decomposition components:

11. Toxicological Information

Information on toxicological effects

Acute toxicity:

LD/LC 50 values that are relevant for classification: Not available

Primary irritant effect

On skin: skin irritation

On eyes: Severe irritation of the eyes can occur

Sensitization: No sensitizing effects known

Sub-acute to chronic toxicity: No further relevant information available

Additional toxicological information:

Carcinogenic categories

NTP (National Toxicology Program): None of the ingredients is listed

OSHA-Ca (Occupational Safety and Health Administration): No further relevant information available

Probable routes of exposure

Acute effects (acute toxicity, irritation and corrosivity): Severe irritation to skin and eyes can occur

Repeated Dose Toxicity: No further relevant information available

12. Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available

Behavior in environmental system

Bio-accumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of product to reach ground water, water course or sewage systems.

Other adverse effects: No further relevant information available

13. Disposal Considerations

Waste treatments methods

Recommendation:

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The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual material should be treated as hazardous.

Un-cleaned packaging:

Recommendations: Disposal must be made according to official regulations

Recommended cleansing agent: Water, if necessary with cleansing agents

14. Transport Information

UN-Number: UN1760

IMDG, IATA: For Sea and Air Transportation only – DOT exempt

UN proper shipping name: UN1760, Corrosive liquid, n.o.s. (contains: Urea Monohydrochloride), 8, PG-III

Transport hazard class(s)

DOT: Not regulated, exempt from labeling

IATA, IMDG:

Class: 8



Label:

Packing Group: III

Environmental hazards: None known

Marine pollutant: No

Special precautions for user:

Segregation groups

Transport in bulk according to Annex II of MARPOL73/78 and IBC code: Not applicable

Transport/Additional information: DOT

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15. Regulatory Information

Safety, health and environmental regulation/legislation specific for the substance or mixture (USA)

SARA

Section 355 (extremely hazardous substances): None of ingredients are listed

Section 313 (Specific toxic chemical listings): None of ingredients are listed

TSCA (Toxic Substance Control Act): All of ingredients are listed

Prop 65 (California)

Chemicals known to cause cancer: None of ingredients are listed

Chemicals known to cause reproductive toxicity for females: None of ingredients are listed

Chemicals known to cause reproductive toxicity for males: None of ingredients are listed

Chemicals known to cause developmental toxicity: None of ingredients are listed

Carcinogenic Categories

EPA (Environmental Protection Agency): None of ingredients are listed

IARC (International Agency for Research on Cancer):

TVL (Threshold Limit Value established by ACGIH):

NIOSH-Ca (National Institute for Occupational Safety and Health): None of ingredients are listed

State Right to Know Listings: None of ingredients are listed

Canadian substance listings

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Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

Other regulations, limitations and prohibitive regulation:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and SDS contains all the information required by the Controlled Products Regulations.

Chemical safety assessment: A has not be carried out.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The health hazards given on the Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

Company warrants that the product or products described herein will conform to its published specifications. The products supplied by the company and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Company's materials for their own particular purpose. Since buyer's conditions of use of product are beyond Company's control, Company does not warrant any recommendations and information for the use of such products. Company disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products.

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