

Printing date: July 9, 2018

Revision: July 9, 2018

Product ide	entifier
Trade name	: Pretreat Plus® G2000
Other means	s of identification: No other identifiers
Recommend	ded use and restriction on use
	ded use: Antiscalant.
Restrictions	on use: No relevant information available.
	he supplier of the Safety Data Sheet
Manufacture	
8949 Kenam	ar Drive. Blg 107
San Diego, C	
858-693-406 klt@kingleete	-
ChemTel Inc	telephone number:
(800)255-392	24 (North America)
+1 (813)248-	0585 (International)
Hazard(s)	identification
,	identification ion of the substance or mixture
Classificati	ion of the substance or mixture
Classificati Met. Corr.1	ion of the substance or mixture H290 May be corrosive to metals.
Classificati Met. Corr.1 Eye Dam. 1	ion of the substance or mixture H290 May be corrosive to metals. H318 Causes serious eye damage.
Classificati Met. Corr.1 Eye Dam. 1 Label elem	ion of the substance or mixture H290 May be corrosive to metals. H318 Causes serious eye damage. ents
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Classificati Met. Corr.1 Eye Dam. 1 Label elem GHS label el The product Hazard picto GHS05 Signal word Hazard state H290 May be H318 Causes Precautiona P234 P280	ion of the substance or mixture H290 May be corrosive to metals. H318 Causes serious eye damage. ents lements is classified and labeled according to the Globally Harmonized System (GHS). ograms: : Danger ements: e corrosive to metals. s serious eye damage. iry statements:
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Classificati Met. Corr.1 Eye Dam. 1 Label elem GHS label el The product Hazard picto GHS05 Signal word Hazard state H290 May be H318 Causes Precautiona P234 P280	 ion of the substance or mixture H290 May be corrosive to metals. H318 Causes serious eye damage. eents lements is classified and labeled according to the Globally Harmonized System (GHS). ograms: E Danger ements: e corrosive to metals. e serious eye damage. iry statements: Keep only in original container. Wear protective gloves and eye protection. P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lense

(Cont'd. on page 2)



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Trade name: Pretreat Plus® G2000

(Cont'd. of page 1)

Trade Secret acid <20° Acute Tox. 4, H302 7 Trade Secret acid salt <20° Eye Irrit. 2A, H319 Trade Secret acid <1° Acute Tox. 4, H302 Itrade Secret acid <1° Acute Tox. 4, H302 Italitional information: <1° of Acute Tox. 4, H302 Italitional information: <1° of the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. r the wording of the listed Hazard Statements, refer to section 16. Italitional information: rst-aid measures escription of first aid measures ter inhalation: Supply fresh air; consult doctor in case of complaints. ter skin contact: mediately rinse with water. skin irritation is experienced, consult a doctor. ter secontact: otect unharmed eye. enout mouth and then drink plenty of water.	· Chemical characterization: Mixtures	
Met. Corr. 1, H290; Eye Dam. 1, H318 Acute Tox. 4, H302 Trade Secret acid salt Trade Secret acid salt Met. Corr. 1, H319 Trade Secret acid Trade Secret acid Met. Corr. 1, H290; Skin Corr. 1A, H314 Met. Corr. 1, H290; Skin Corr. 1A, H314 Met. Corr. 1, H290; Skin Corr. 1A, H314 Acute Tox. 4, H302 dditional information: or the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. or the wording of the listed Hazard Statements, refer to section 16. rst-aid measures escription of first aid measures ter inhalation: Supply fresh air; consult doctor in case of complaints. ter skin contact: mediately rinse with water. skin irritation is experienced, consult a doctor. ter eye contact: otect unharmed eye. emove contact lenses if worn. nse opened eye for several minutes under running water. Then consult a doctor. ter swallowing: nse out mouth and then drink plenty of water. o on tinduce vomiting; immediately call for medical help. ost important symptoms and effects, both acute and delayed: rong irritant with the danger of severe eye injury. auses mild skin irritation. astric or intestinal disorders dication of any immediate medical attention and special treatment needed:	· Components:	
♦ Acute Tox. 4, H302 Trade Secret acid salt <200 ♦ Eye Irrit. 2A, H319 Trade Secret acid <1% ♦ Met. Corr. 1, H290; Skin Corr. 1A, H314 <1% ♦ Acute Tox. 4, H302 dditional information: or the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. or the wording of the listed Hazard Statements, refer to section 16. rest-aid measures escription of first aid measures ter inhalation: Supply fresh air; consult doctor in case of complaints. ter skin contact: immediately rinse with water. skin irritation is experienced, consult a doctor. ter eye contact: oe to unharmed eye. emove contact lenses if worn. nse opened eye for several minutes under running water. Then consult a doctor. ter swallowing: nse out mouth and then drink plenty of water. o not induce vomiting; immediately call for medical help. ost important symptoms and effects, both acute and delayed: rong irritant with the danger of severe eye injury. auses mild skin irritation. astric or intestinal disorders dici	Trade Secret acid	<209
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Advice for firefighters

(Cont'd. on page 3)



acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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• **Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit.

• Additional information: Cool endangered product with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective equipment as required.

For large spills, wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

• Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Methods and material for containment and cleaning up

Towel or mop up material and collect in a suitable container.

For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard. Send for recovery or disposal in suitable receptacles.

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.

7 Handling and storage

[·] Handling

Precautions for safe handling:

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Avoid contact with the eyes and skin.

Avoid breathing mist, vapors, or spray.

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

[•] Conditions for safe storage, including any incompatibilities

• Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

Use only receptacles specifically permitted for this substance/product.

Unsuitable material for receptacle: aluminium.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with alkalis (caustic solutions).

Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

[·] Control parameters

(Cont'd. on page 4)





acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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		(Cont'd. of page
· Flammability (solid, gaseous):	Not applicable.	
· Auto-ignition temperature:	Not determined.	
· Decomposition temperature:	Not determined.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits		
Lower:	Not determined.	
Upper:	Not determined.	
Oxidizing properties:	Not determined.	
· Vapor pressure:	Not determined.	
· Density:		
Relative density:	1.07±0.05	
Vapor density:	Not determined.	
Evaporation rate:	Not determined.	
· Solubility in / Miscibility with		
Water:	Soluble.	
· Partition coefficient (n-octanol/wa	ter): Not determined.	
· Viscosity		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
[•] Other information	No relevant information available.	

10 Stability and reactivity

· Reactivity: No relevant information available.

• Chemical stability: Stable under normal temperatures and pressures.

- Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions
- Reacts with alkali (lyes).
- Reacts with certain metals.
- Toxic fumes may be released if heated above the decomposition point.
- Conditions to avoid Excessive heat.
- · Incompatible materials Alkalis
- · Hazardous decomposition products
- Under fire conditions only:
- Phosphorus oxides (e.g. P2O5)
- Nitrogen oxides
- Carbon monoxide and carbon dioxide

11 Toxicological information

(Cont'd. on page 6)



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(Cont'd. of page 5)
 Information on toxicological effects Acute toxicity: Based on available data, the classification criteria are not met. LD/LC50 values that are relevant for classification: None. Primary irritant effect: On the skin: Based on available data, the classification criteria are not met.
 On the eye: Strong irritant with the danger of severe eye injury. Sensitization: Based on available data, the classification criteria are not met.
· 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.
· Probable route(s) of exposure:
Ingestion. Inhalation. Eye contact. Skin contact. • Germ cell mutagenicity: Based on available data, the classification criteria are not met. • Carcinogenicity: Based on available data, the classification criteria are not met. • Reproductive toxicity: Based on available data, the classification criteria are not met. • STOT-single exposure: Based on available data, the classification criteria are not met. • STOT-repeated exposure: Based on available data, the classification criteria are not met. • STOT-repeated exposure: Based on available data, the classification criteria are not met. • Aspiration hazard: Based on available data, the classification criteria are not met.
12 Ecological information
 Toxicity Aquatic toxicity No relevant information available. Persistence and degradability No relevant information available. Bioaccumulative potential: No relevant information available. Mobility in soil: No relevant information available. Additional ecological information General notes:
· Other adverse offects Ne relevant information evaluable

Other adverse effects No relevant information available.

13 Disposal considerations

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acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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· Waste treatment methods

· Recommendation:

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.

· Uncleaned packagings

· Recommendation: Disposal must be made according to official regulations.

UN-Number DOT, ADR, IMDG, IATA	UN3265
UN proper shipping name DOT, IATA	Corrosive liquid, acidic, organic, n.o.s. (Organophosphonic acid)
ADR, IMDG	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S (Organophosphonic acid)
Transport hazard class(es)	
DOT	
Class Label	8 8
ADR	
- <u></u>	
Class	8 (C3)
Label	8
IMDG, IATA	
1-2-2- 	
Class	8
Label	8
Packing group DOT, ADR, IMDG, IATA	III
Environmental hazards Marine pollutant:	No



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Special precautions for user Danger code (Kemler): EMS Number:	Warning: Corrosive substances 80 F-A,S-B
Segregation groups	Acids
Transport in bulk according to Ani MARPOL73/78 and the IBC Code	nex II of Not applicable.
Transport/Additional information:	
DOT	See 173.154(d) for corrosive exceptions.
Regulatory information	
mixture United States (USA)	regulations/legislation specific for the substance
SARA Section 302 (extremely hazardous sub	stances).
None of the ingredients are listed.	
Section 355 (extremely hazardous sub	stances):
None of the ingredients are listed.	
Section 313 (Specific toxic chemical li	stings):
None of the ingredients are listed.	
TSCA (Toxic Substances Control Act)	
All ingredients are listed.	
v	
Proposition 65 (California)	
Proposition 65 (California)	
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developme	ental toxicity for females:
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed.	ental toxicity for females:
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developme None of the ingredients are listed. Chemicals known to cause developme	·
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed.	ental toxicity for males:
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed	ental toxicity for males:
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed.	ental toxicity for males:
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. EPA (Environmental Protection Agence)	ental toxicity for males:
Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed. Chemicals known to cause developmed None of the ingredients are listed.	ental toxicity for males:
 Proposition 65 (California) Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause developme None of the ingredients are listed. Chemicals known to cause developme None of the ingredients are listed. Chemicals known to cause developme None of the ingredients are listed. Chemicals known to cause developme None of the ingredients are listed. EPA (Environmental Protection Agence 	ental toxicity for males: ental toxicity: ey):

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	s information is based on our present knowledge. However, this shall not constitute a guarantee for any ecific product features and shall not establish a legally valid contractual relationship.
ADR IMD DOT IATA CAS LC55 PBT VPvE OSH Met. Acut Skin Eye Eye We VVe VVe Patt Cas 978	breviations and acronyms: R: European Agreement concerning the International Carriage of Dangerous Goods by Road G: International Maritime Code for Dangerous Goods T: US Department of Transportation A: International Air Transport Association S: Chemical Abstracts Service (division of the American Chemical Society) 0: Lethal concentration, 50 percent 0: Lethal dose, 50 percent 1: Persistant, Bio-accumulable, Toxic B: very Persistent and very Bioaccumulative T: Persistant, Bio-accumulable, Toxic B: very Persistent and very Bioaccumulative T: Corrosive to metals – Category 1 te Tox. 4: Acute toxicity – Category 1 te Tox. 4: Acute toxicity – Category 1 Dam. 1: Serious eye damage/eye irritation – Category 1 Irrit. 2A: Serious eye damage/eye irritation – Category 2A urces besite, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home erview/home.do) besite, Chemical Abstracts Registry, American Chemical Society (www.cas.org) tty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6 sarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN 3-0-07-176923-5. Tety Data Sheets, Individual Manufacturers
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