7820 E. Pleasant Valley Road
Independence, OH 44131
(800) 908-7028
www.crafters-choice.com

11/07/2016

Safety Data Sheet

Preservative - Water Soluble PF

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Preservative - Water Soluble PF

Details of the manufacturer/supplier of the safety data sheet
Crafter's Choice Brands, LLC
7820 E. Pleasant Valley Road
Independence, Ohio 44131
Phone: 1-800-908-7028
www.Crafters-Choice.com

Emergency Telephone Number: ChemTel
(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
+ (813) 248-0585 International

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation	Category 2A
Skin sensitization	Category 1

GHS Label element

Hazard pictograms

Signal Word: Warning

Hazard Statements: May cause an allergic skin reaction.
Causes serious eye irritation.

Precautionary Statements

Prevention:
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Wash skin thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear eye protection/ face protection.
Wear protective gloves.
Response:
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical Name	CAS-No.	Classification	Concentration (%)
DIAZOLIDINYL UREA	78491-02-8	Eye Irrit. 2A; H319	39.56
3-1000-2-PROPYNYL BUTYL CARBAMATE	55406-53-6	Acute Tox. 4; H302 Acute Tox. 2; H330 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT SE 3; H335	0.50

SECTION 4. FIRST AID MEASURES

General advice	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. Wash contaminated clothing before re-use.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.
If swallowed	Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	No symptoms known or expected. May cause an allergic skin reaction. Causes serious eye irritation.
Notes to physician	No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray

	Foam Carbon dioxide (C02) Dry chemical
Unsuitable extinguishing media	High volume water jet
Specific hazards during firefighting	If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	carbon dioxide and carbon monoxide organic compounds Carbon dioxide (C02)
Specific extinguishing methods	
	Product is compatible with standard fire-fighting agents.
Further information	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
Other information	Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	Do not breathe vapors/dust. Do not smoke. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Hand protection	
Remarks	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.
Skin and body protection	Wear as appropriate: impervious clothing Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment supplier).
Hygiene measures	Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Color	colorless
Odor	characteristic
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	-83.00 °F / -63.89 °C
Boiling point/boiling range	378.00 °F / 192.22 °C
Flash point	210.00 °F / 98.89 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor pressure	0.09576 hPa (20 °C)
Relative vapor density	No data available
Relative density	No data available
Density	1.15 - 1.25 g/cm3 (20 °C)
Solubility(ies)	
Water solubility	soluble
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Thermal decomposition	No data available
Viscosity	
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Oxidizing properties	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No decomposition if stored and applied as directed.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Product will not undergo hazardous polymerization.
Conditions to avoid	excessive heat Exposure to sunlight. Exposure to moisture
Incompatible materials	isocyanates Strong acids strong bases Strong oxidizing agents UV light.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Inhalation Skin contact Eye Contact Ingestion

Acute toxicity
Not classified based on available information.
Components:
DIAZOLIDINYL UREA:

Acute oral toxicity	LO 50 (Rat): > 2,000 mg/kg
Acute dermal toxicity	LO 50 (Rabbit): > 2,000 mg/kg

3-1000-2-PROPYNYL BUTYL CARBAMATE:

Acute oral toxicity	LD50 (Rat): 1,153 mg/kg
Acute inhalation toxicity	LC50 (Rat): 0.327 mg/l Exposure time: 4 h Test atmosphere: dusUmist
Acute dermal toxicity	LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation
Not classified based on available information.
Product:
Remarks: May cause skin irritation in susceptible persons.

Components:
DIAZOLIDINYL UREA:
Result: Not irritating to skin

3-1000-2-PROPYNYL BUTYL CARBAMATE:
Result: Mildly irritating to skin

Serious eye damage/eye irritation
Causes serious eye irritation.
Product:
Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin. Causes serious eye irritation.

Components:
DIAZOLIDINYL UREA:
Result: Irritating to eyes

3-1000-2-PROPYNYL BUTYL CARBAMATE:
Result: Corrosive to eyes

Respiratory or skin sensitization
Skin sensitization: May cause an allergic skin reaction.
Respiratory sensitization: Not classified based on available information.
Components:
DIAZOLIDINYL UREA:
Test Type: Maximisation Test (GPMT)
Species: Guinea pig
Assessment: Did not cause sensitization on laboratory animals.

3-1000-2-PROPYNYL BUTYL CARBAMATE:
Assessment: May cause sensitization by skin contact.

Germ cell mutagenicity
Not classified based on available information.
Components:
DIAZOLIDINYL UREA:

Genotoxicity in vitro	Test Type: Ames test Metabolic activation: with and without metabolic activation Result: negative
	Test Type: Chromosome aberration test in vitro Metabolic activation: with and without metabolic activation Result: negative
Genotoxicity in vivo	Test Type: In vivo micronucleus test Test species: Mouse (male and female) Application Route: Oral Method: Mutagenicity (micronucleus test) Result: negative
	Application Route: Oral Method: OECD Test Guideline 486 Result: negative

Carcinogenicity
Not classified based on available information.
Reproductive toxicity
Not classified based on available information.
Components:
DIAZOLIDINYL UREA:

Effects on fetal development	Test Type: Embryo-fetal development Species: Rat Application Route: Oral Dose: 500 milligram per kilogram

STOT - single exposure
Not classified based on available information.
Components:
3-1000-2-PROPYNYL BUTYL CARBAMATE:
Target Organs: Respiratory Tract
Assessment: May cause respiratory irritation.

STOT - repeated exposure
Not classified based on available information.
Repeated dose toxicity
Components:
DIAZOLIDINYL UREA:
Species: Rat, male and female
NOEL: 200 mg/kg
Application Route: Oral
Exposure time: 90-day

Aspiration toxicity
Not classified based on available information.
Product:
No aspiration toxicity classification

Further information
Product:
Remarks: No data available

Carcinogenicity:

IARC	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.
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.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

OIAZOLIDINYL UREA:

Toxicity to fish	LC 50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 58 mg/l Exposure time: 48 h Test Type: flow-through test
Toxicity to algae	ErC50 (Green algae (Selenastrum capricornutum)): 5.78 mg/l End point: EC 50 Exposure time: 72 h Test Type: Growth inhibition Analytical monitoring: yes

3-1000-2-PROPYNYL BUTYL CARBAMATE:

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 0.067 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 0.16 mg/l Exposure time: 48 h
Toxicity to algae	EC 50 (Desmodesmus subspicatus (green algae)): 0.022 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	10

Persistence and degradability

Components:

DIAZOLIOINYL UREA:|

Biodegradability	Biodegradation: 24 % Exposure time: 28 d Remarks: Not readily biodegradable.
Stability in water	Degradation half life(DT50): 12 h (20.4 °C) pH: 7

Bioaccumulative potential

Components:

DIAZOLIDINYL UREA:

Bioaccumulation	Remarks: The substance has low potential for bioaccumulation.
Partition coefficient: n-octanol/water	log Pow: 0.9 (20 °C)

3-1000-2-PROPYNYL BUTYL CARBAMATE:

Bioaccumulation	Species: Cyprinus carpio (Carp) Bioconcentration factor (BCF): 4.5 Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water	log Pow: 2.81

Mobility in soil

Components:

DIAZOLIDINYL UREA:

Distribution among environmental compartments	Adsorption/Soil Medium: Soil Koc: < 2

Other adverse effects

Product:

Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Components:

DIAZOLIDINYL UREA:

Results of PBT and vPvB assessment	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

MX_DG

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

TDG_INWT_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_ROAD_C

Not dangerous goods	MARINE POLLUTANT:(3-IODO-2-PROPYNYL BUTYL CARBAMATE)

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

CFR_RAIL_C

Not dangerous goods

U.S. DOT - ROAD

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant		no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards Acute Health Hazard

US State Regulations

Pennsylvania Right To Know

PROPYLENE GLYCOL	57-55-6	50.00 - 70.00
The identity of one or more component(s) is being withheld under business confidentiality.		
DIAZOLIDINYL UREA	78491-02-8	30.00 - 50.00 %

New Jersey Right To Know

PROPYLENE GLYCOL	57-55-6	50.00 - 70.00
The identity of one or more component(s) is being withheld under business confidentiality.		
DIAZOLIDINYL UREA	78491-02-8	30.00 - 50.00 %

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA	On TSCA Inventory
DSL	All components of this product are on the Canadian DSL.
AUSTR	On the inventory, or in compliance with the inventory
ENCS	Not in compliance with the inventory
KECL	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory

Inventories

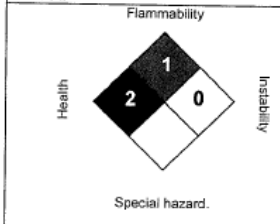
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

Revision Date: 11/07/2016

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Disclaimer: The information and recommendations contained herein are believed to be accurate to the best of our knowledge. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists
BEi : Biological Exposure Index
CAS : Chemical Abstracts Service (Division of the American Chemical Society).
CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
FG : Food grade
GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
H-statement : Hazard Statement
IATA : International Air Transport Association.
IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization
ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"
IMDG : International Maritime Code for Dangerous Goods
ISO : International Organization for Standardization
logPow : octanol-water partition coefficient
LCxx : Lethal Concentration, for xx percent of test population
LDxx : Lethal Dose, for xx percent of test population.
ICxx : Inhibitory Concentration for xx of a substance
Ecxx : Effective Concentration of xx
N.O.S.: Not Otherwise Specified
OECD : Organization for Economic Co-operation and Development
OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent, Bioaccumulative and Toxic
PPE : Personal Protective Equipment
STEL : Short-term exposure limit
STOT : Specific Target Organ Toxicity
TLV : Threshold Limit Value
TWA : Time-weighted average
vPvB : Very Persistent and Very Bioaccumulative
WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act
DOT : Department of Transportation
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act
HMIRC : Hazardous Materials Information Review Commission
HMIS : Hazardous Materials Identification System
NFPA : National Fire Protection Association
NIOSH : National Institute for Occupational Safety and Health
OSHA : Occupational Safety and Health Administration
PMRA : Health Canada Pest Management Regulatory Agency
RTK : Right to Know
WHMIS : Workplace Hazardous Materials Information System