



**INNOVATIVE
CHEMICAL
CORPORATION**

7769 95th Street South
Cottage Grove, MN 55016

SAFETY DATA SHEET

Revision Date: 6/30/2015

Emergency Phone: 1-800-535-5053 (Infotrac)

Section 1: Identification

Product Name: Xtract

Code: 98PXT00

Chemical Type: Liquid

Manufacturer/Supplier:

Innovative Chemical Corporation
7769 95th Street South
Cottage Grove, MN 55016
651-649-1762

Section 2: Hazard(s) Identification

OSHA/HCS status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture: Not classified

Label elements

Signal word: Warning

Hazard statements: Skin and eye irritant.

May be harmful if swallowed.



Precautionary Statements

Prevention: Do not get in eyes, on skin or on clothing. Avoid breathing vapor or mist. Do not taste or swallow. Use with adequate ventilation. Wash thoroughly after handling.

Response: Not applicable.

Storage: Keep container closed.

Disposal: Not applicable.

Hazards not otherwise classified: None known.

Section 3: Composition/Information on Ingredients

Substance or mixture: Mixture

Other means of identification: Not available.

CAS number/other identifiers

CAS number: Not applicable.

Hazardous Components		
Chemical Name	%weight	CAS
Acetic Acid	Trade Secret	64-19-7
Citric Acid	Trade Secret	77-92-9
Isopropanol	Trade Secret	67-63-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational limits, if available are listed in Section 8.

Section 4: First-Aid Measures

Description of first aid measures

Eyes	Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Skin	Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.
Ingestion	Call a physician or poison control center immediately. Do not induce vomiting. If victim is fully conscious, give a glassful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.

Over-exposure signs/symptoms

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.

Indication of any immediate medical attention needed

Notes to Physician	Treat symptomatically.
Specific treatment	No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media	Water spray, dry chemical, carbon dioxide, alcohol foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Unknown.
Hazardous thermal decomposition products	Carbon dioxide, carbon monoxide.
Protective actions for fire-fighters	Use water spray to keep fire-exposed containers cool.
Protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Use personal protective equipment. Eliminate all ignition sources. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.
For emergency responders	Neutralize with soda ash lime. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Large spill	Use water spray to disperse vapors and flush spill area. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.
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Section 7: Handling and Storage

Precautions for safe handling

Protective measures	Do not get on eyes, on skin, or on clothing. Avoid breathing vapor or mist. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stores and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.
Conditions for safe storage including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

None

Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate technique should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation.
Respiratory	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level an approved respirator must be worn.
Eyes/Face	Wear safety glasses.
Skin/Body	Wear chemical-resistant gloves.

Section 9: Physical and Chemical Properties
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Physical state	Liquid	
Color	Amber	
Odor	None added	
Odor threshold	Not available	
pH	2	
Melting Point	Not available	
Boiling Point	Not available	
Flash Point	Closed cup: 159° F	
Evaporation rate	Not available	
Flammability (solid, gas)	Not available	
Lower and upper explosive (flammable) limits		Not available
Vapor pressure	Not available	
Vapor density	Not available	
Relative density	Not available	
Solubility	Complete	
Partition coefficient: n-octanol/water		Not available
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Viscosity	Not available	

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Stable

Possibility of hazardous reactions: Under normal conditions, hazardous reactions will not occur.

Conditions to avoid: No specific data

Incompatible materials: Material reacts with strong oxidizing agents.

Hazardous polymerization: Will not occur.

Section 11: Toxicological Information

Available toxicity data is listed below.

Acute toxicity

Ingredient name	Result	Species	Dose	Exposure
Acetic acid	LD50 Oral	Rat	3310-3530 mg/kg	-
	LD50 Oral	Mouse	4960 mg/kg	-
	LC50 Inhalation	Mouse	1 h: 5620 ppm	-
	LD50 Dermal	Rabbit	1060 mg/kg	-

Irritation/Corrosion

Ingredient name	Result	Species	Score	Exposure	Observation
Acetic acid	Skin- Severe irritant	Rabbit	-	-	-
	Skin- Severe irritant	Rabbit	-	-	-

Section 12: Ecological information

Toxicity data, if available is listed below.

Acetic acid is a strongly acidic aqueous solution, and this property may cause adverse environmental effects.

Data for a major component:

Oxygen Demand Data

BOD-5: 340-880 mg/g

COD: 1000 mg/g

Toxicity

Ingredient name	Result	Species	Exposure
Acetic acid	Acute LC50 > 100 mg/l	Fathead minnow	96 hrs
	Acute LC50 251 mg/l	Mosquito fish	48 hrs
	Acute LC50 410 mg/l	Golden orfe	48 hrs
	Acute LC50 100 mg/l	Daphnid	96 hrs

Section 13: Disposal considerations

Waste disposal

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in

accordance with federal, state and local regulations. All disposal must be in accordance with all federal, state and local regulations.

Section 14: Transport information

No restrictions for ground, air, or maritime transportation in accordance with 49 CFR parts 100-185.

Section 15: Regulatory information

All components are listed on TSCA

Section 16: Other information

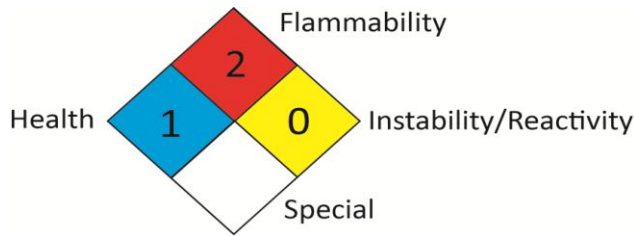
Hazardous Material Information System (U.S.A.):

Health	1
Flammability	2
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association:



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Not classified	

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist