INNOVATIVE CHEMICAL CORPORATION

7769 95th Street South
Cottage Grove, MN

SAFETY DATA SHEET

Revision Date: 9/1/2015
Emergency Phone: 1-800-535-5053 (Infotrac)

Section 1: Identification

Product Name: Enzyme Laundry Detergent
Code: 98PEL00
Chemical Type: Liquid

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

Section 2: Hazard(s) Identification

GHS Classification

Eye irritation	Category 2A
Respiratory sensitization	Category 1

GHS Label element

Signal word: Danger
Hazard statements: Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

Prevention: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Wear eye protection/ face protection. In case of inadequate ventilation wear respiratory protection.

Response: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

Disposal: Dispose of contents/ container to an approved waste disposal plant.

Other hazards: None known.

Section 3: Composition/Information on Ingredients

CAS number/other identifiers

Hazardous Components

Chemical Name	%weight	CAS
glycerin	5-10	56-81-5
octanoic acid, potassium salt	1-5	764-71-6
Alkylethoxy-propoxylates	1-5	68987-81-5
Fatty alcohol alkoxylates	1-5	68154-99-4
subtilisin	0.1-1	1/1/9014

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

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
Skin contact	Rinse with plenty of water.
Inhalation	Remove to fresh air. Treat symptomatically. Get medical attention.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Protection of first-aiders	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to Physician	Treat symptomatically

See toxicological information (Section 11)

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical	Not flammable or combustible.
Hazardous thermal decomposition products	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus
Specific fire-fighting equipment	Use personal protective equipment.
Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Do not allow contact with soil, surface or ground water.

Methods for cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7: Handling and Storage

Precautions for safe handling

Handling	Avoid contact with skin and eyes. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.
Storage	Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	-10 °C to 30 °C

Section 8: Exposure Controls/Personal Protection

Control parameters

Ingredient	CAS-No.	Forms of exposure	Permissible concentration	Basis
glycerin	56-81-5	TWA	10 mg/m3	ACGIH
		TWA (respirable fraction)	5 mg/m3	OSHA Z1

Appropriate engineering controls	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection	Safety glasses with side-shields
Hand protection	No special protective equipment required.
Skin protection	No special protective equipment required.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Section 9: Physical and Chemical Properties

Physical state	Liquid
Color	Blue
Odor	None Added
pH	9
Flash point	Not Applicable
Odor Threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Evaporation rate	No data available

Flammability (solid, gas)	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	1.07 - 1.09
Water solubility	soluble
Solubility in other solvents	No data available
Partition coefficient: noctanol/water	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Molecular weight	No data available
VOC	No data available

Section 10: Stability and Reactivity

Stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	None known.
Materials to avoid	None known.
Hazardous decomposition products	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus

Section 11: Toxicological Information

Information on likely routes of exposure

Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes	Causes serious eye irritation.
Skin	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.
Inhalation	May cause allergic respiratory reaction
Chronic Exposure	Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact	Redness, Pain, Irritation
Skin contact	No symptoms known or expected.
Ingestion	No symptoms known or expected.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Toxicity

Acute oral toxicity	Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity	4 h Acute toxicity estimate : > 40 mg/l
Acute dermal toxicity	Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	Eye irritation
Respiratory or skin sensitization	May cause sensitization by inhalation.
Carcinogenicity	no data available
Reproductive effects	no data available
Germ cell mutagenicity	no data available
Teratogenicity	no data available
STOT-single exposure	no data available
STOT-repeated exposure	no data available
Aspiration toxicity	no data available

Section 12: Ecological information

Ecotoxicity

Environmental Effects	Harmful to aquatic life.

Product

Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available

Ingredients

Toxicity to fish	**glycerin** 96 h LC50 Fish: 855 mg/l **octanoic acid, potassium salt** 96 h LC50 Fish: 22 mg/l **Alkylethoxy-propoxylates** 96 h LC50 Fish: 5 mg/l

Ingredients

Toxicity to daphnia and other aquatic invertebrates	**subtilisin** 48 h EC50: 1.4 mg/l

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

Section 13: Disposal considerations

Disposal methods

The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

Section 14: Transport information

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Regulatory info	UN number	Proper shipping name	Classes	PG	Environmental hazards	Additional info
DOT Classification	Not regulated	Not dangerous goods				
TDG Classification	Not regulated					

Mexico Classification	Not regulated					
ADR/RID Class	Not regulated					
IMDG Class	Not regulated	Not dangerous goods				
IATA-DGR Class	Not regulated					

Section 15: Regulatory information

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 hazards

Acute Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65

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

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

1907/2006 (EU) :	not determined
Switzerland. New notified substances and declared preparations :	not determined
United States TSCA Inventory :	On TSCA Inventory
Canadian Domestic Substances List (DSL) :	All components of this product are on the Canadian DSL
Australia Inventory of Chemical Substances (AICS) :	On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemical Substances :	On the inventory, or in compliance with the inventory
Japan. ENCS - Existing and New Chemical Substances Inventory :	not determined
Japan. ISHL - Inventory of Chemical Substances (METI) :	not determined

Korea. Korean Existing Chemicals Inventory (KECI) :	On the inventory, or in compliance with the inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :	not determined
China. Inventory of Existing Chemical Substances in China (IECSC) :	On the inventory, or in compliance with the inventory

Section 16: Other information

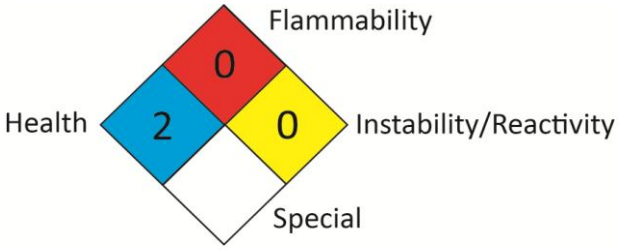
Hazardous Material Information System (U.S.A.):

Health	*2
Flammability	0
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.

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