INNOVATIVE
CHEMICAL
CORPORATION

7769 95th Street South
Cottage Grove, MN 55016

SAFETY DATA SHEET

Revision Date: 5/27/2015

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

Section 1: Identification

Product Name: Hygene

Code: 98PHY00

Chemical Type: Liquid

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

Section 2: Hazard(s) Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture: Not classified

Percentage of the mixture consisting of unknown toxicity: 1%

Label elements

Signal word: Warning

Hazard statements: Skin and eye irritant.
May be harmful if swallowed.

Precautionary Statements

Prevention: Do not breathe vapor or mist. Do not ingest. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Response: Not applicable.

Storage: Not applicable.

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.

Hazardous Components

Chemical Name	%weight	CAS number
Sodium lauryl ether sulfate	5-10%	9004-82-4
sodium dodecyl sulphate	1-5%	151-21-3
2-phenoxyethanol	1-5%	122-99-6
sodium chloride	1-5%	7647-14-5
1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	1-5%	61789-40-0

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

Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Skin	Wash skin surfaces thoroughly after contact. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eyes	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Indication of any immediate medical attention needed

Notes to Physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately immediately if large quantities have been ingested or inhailed.

See toxicological information (Section 11)

Section 5: Fire-Fighting Measures

Flammability of the product: In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Special exposure hazards	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition	Decomposition products may include the following materials: carbon

products	dioxide, carbon monoxide, sulfur oxides, halogenated compounds, metal oxide/oxides.
Protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

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

Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Approach release upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and Storage

Handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

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 upright 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

Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or thenecessity to use respiratory protective equipment.
Engineering measures	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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 techniques 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.

Individual protection measures

Respiratory	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Eyes/Face	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin/Body	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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.

Section 9: Physical and Chemical Properties

Physical state	Liquid
Color	Pink
Odor	Ivory
Odor threshold	Not available
pH	5.5
Melting Point	Not available
Boiling Point	Not available
Flash Point	Closed cup: Not applicable. [Product does not sustain combustion.]
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	1.02
Solubility	Easily soluble in cold and hot water.
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

Section 10: Stability and Reactivity

Chemical stability Stable

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

Conditions to avoid No specific data

Incompatible materials No specific data

Hazardous decomposition products Under normal conditions, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Acute toxicity

Ingredient name	Result	Species	Dose	Exposure
sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
Sodium lauryl ether sulfhate	LD50 Oral	Rat	1600 mg/kg	-
2-phenoxyethanol	LD50 Derm	Rat	14422 mg/kg	-
	LD50 Oral	Rat	1260 mg/kg	-
sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-

Conclusion/Summary: Not available

Chronic toxicity

Conclusion/Summary: Not available

Irritation/Corrossion

Ingredient name	Result		Species	Score	Exposure	Observation

sodium chloride	Eyes- moderate irritant	Rabbit	-	24 hrs 100 mg	-
	Eyes- moderate irritant	Rabbit	-	10 mg 24 hrs	-
	Skin- mild irritant	Rabbit	-	500 mg 24 hrs	-
Sodium lauryl ether sulfate	Eyes- moderate irritant	Rabbit	-	24 hrs 20 mg	-
	Eyes- severe irritant	Rabbit	-	24 hrs 100 µL	-
	Skin- Moderate irritant	Rabbit	-	24 hrs 25 mg	-
	Skin- Severe irritant	Rabbit	-	24 hrs 500 mg	-
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Eyes- severe irritant	Rabbit	-	24 hrs 100 µL	-
2-phenoxyethanol	Eyes- moderate irritant	Rabbit	-	6 mg 24 hrs	-
	Eyes- severe irritant	Rabbit	-	250 µg 24 hrs	-
	Skin- mild irritant	Rabbit	-	500 mg 24 hrs	-
sodium dodecyl sulphate	Eyes- mild irritant	Rabbit	-	250 µg 24 hrs	-
	Eyes- moderate irritant	Rabbit	-	100 mg	-
	Eyes- moderate irritant	Rabbit	-	10 mg	-
	Skin- mild irritant	Dog	-	24 hrs 25 mg	-
	Skin- mild irritant	Guinea pig	-	24 hrs 25 mg	-
	Skin- mild irritant	Human	-	2 hrs 2%	-
	Skin- mild irritant	Human	-	504 hrs 0.06%	-
	Skin- mild irritant	Human	-	24 hrs 0.06%	-
	Skin- mild irritant	Human	-	22 hrs 10%	-
	Skin- mild irritant	Human	-	47 hrs 0.5%	-
	Skin- mild irritant	Human	-	18 hrs 2%	-
	Skin- moderate irritant	Human	-	48 hrs 3%	-
	Skin- moderate irritant	Human	-	24 hrs 0.1%	-
	Skin- moderate irritant	Mouse	-	24 hrs 25 mg	-
	Skin- mild irritant	Pig	-	24 hrs 25 mg	-
	Skin- mild irritant	Rabbit	-	24 hrs 50 mg	-
	Skin- moderate irritant	Rabbit	-	24 hrs 25 mg	-

Conclusion/Summary: Not available

Sensitization

Not available

Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

Teratogenicity

Not available

Section 12: Ecological information

Sodium lauryl ether sulfate	Acute EC50 3.12 mg/L Fresh water	Crustaceans-Ceriodaphnia dubia-Neonate - <24 hrs	48 hrs
2-phenoxyethanol	Acute LC50 344000 ug/L Fresh water	Fish - Pimephales promelas - 32 days - 18.3 mm - 0.107 g	96 hrs
sodium dodecyl sulphate	Acute EC50 1200 ug/L Marine water	Algae - Skeletonema costatum	96 hrs
	Acute LC50 900 ug/L Marine water	Crustaceans - Artemia salina - Adult 25 days - 3.5 to 4.5 mm	48 hrs
	Acute LC50 1400 ug/L Fresh water	Daphnia- Daphnia pulex - Neonate	48 hrs
	Acute LC50 590 ug/L Fresh water	Fish - Cirrhinus mrigala - Larvae - 2 days - 4.5 mm - 51 mg	96 hrs
	Chronic NOEC 3.2 mg/L Fresh water	Daphnia- Daphnia magna - Neonate - <24 hrs	21 days
	Chronic NOEC>1357 ug/L Fresh water	Fish - Pimephales promelas - 7 days post-hatch	42 days

Section 13: Disposal considerations

Waste disposal

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to section 7: Handling and storage and Section 8: Exposure control/personal protection for additional handling information and protection of employees.

Section 14: Transport information

Regulatory info	UN number	Proper shipping name	Classes	PG*	Label	Additional info
DOT Classification	not regulated	-	-	-	-	-
TDG Classification	not	-	-	-	-	-

	regulated					
Mexico Classification	not regulated	-	-	-	-	-
ADR/RID Class	not regulated	-	-	-	-	-
IMDG Class	not regulated	-	-	-	-	-
IATA-DGR Class	not regulated	-	-	-	-	-

Section 15: Regulatory information

HCS Classification

Irritating material
Target organ effects

U.S. Federal regulations

TSCA 5(a)2 proposed significant new rules: 5-chloro-2methyl-2H-isothiazol-3-one; 2- methyl-2H-isothiazol-3-one
TSCA 8(1) IUR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): Not determined.

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products wer fopund.
SARA 302/304/311/312 hazardous chemicals: sodium dodecyl sulphate; sodium chloride; 2-phenoxyethanol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: sodium dodecyl sulphate: Immediate (acute) health hazard, Delayed (chronic) health hazard; sodium chloride: Immediate (acute) health hazard, Delayed (chronic) health hazard; 2-phenoxyethanol: Immediate (acute) health hazard, Delayed (chronic) health hazard
Clean Water Act (CWA) 311: Sodium hydroxide; Formaldehyde

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)

Listed

Clean Air Act Section 602 Class I Substances

Not Listed

Clean Air Act Section 602 Class II Substances

Not Listed

DEA List I Chemicals (Precursor Chemicals)

Not Listed

DEA List II Chemicals (Essential Chemicals)

Not Listed