



KENNEY & ROSS LIMITED

R.R. # 3 SHELBURNE, NOVA SCOTIA CANADA B0T 1W0
PHONE: (902) 637-2616 FAX: (902) 637-2511

MATERIAL SAFETY DATA SHEET HiPURE LIQUID GELATIN

For information or emergency: Telephone 902-637-2616
Date prepared March 17, 2015

I. PRODUCT INFORMATION

TRADE NAME: HiPure Liquid Gelatin

SYNONYMS: Technical Grade Gelatin

PRODUCT USE: Gelatin for industrial applications

CAS NUMBER: 9000-70-8

CHEMICAL NAME: Gelatin

EINECS #: 232-554-6

II. HAZARDOUS COMPONENTS

COMPONENTS	CAS#	OSHA PEL	ACGIH TLV	Other Limits Recommended
None	N/A	N/A	N/A	N/A

NA = Not Applicable NAv = Not Available

III. COMPOSITION

COMPONENTS	CAS#
Gelatin 43-45%	9000-70-8
Water 54-56%	7732-18-5
Methyl Paraben 0.2%	99-76-3
Propyl Paraben 0.15%	94-13-3
Surfactant 0.02%	Proprietary



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IV. FIRST AID MEASURES

SPECIFIC MEASURES:

EYE CONTACT: If the material gets in the eyes, immediately wash eyes with copious amounts of water, occasionally lifting the lower and upper eyelids. Continue for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash with soap and water.

INGESTION: Induce vomiting

INHALATION: Remove to fresh air.

V. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide

FLASH POINT: NA

FLAMMABILITY: None

UPPER FLAMMABLE LIMIT (% by Volume): NA

LOWER FLAMMABLE LIMIT (% by Volume): NA

AUTO IGNITION TEMPERATURE (°C): NA

HAZARDOUS COMBUSTION PRODUCTS: None

EXPLOSION DATA: Sensitivity to Impact: None

NFPA RATING: Health 1; Flammability 0; Instability 0

VI. ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION: Use proper personnel protective equipment as indicated in Section 8

SPILLS OR LEAKS: Sop up material with water and absorbents and place in a suitable disposal container. Clean up spills immediately observing precautions in Section 8

VII. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

STORAGE: Store in a cool, location. Dilution with water will reduce the preservative effectiveness.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

GELATIN: ACGIH – None listed; NIOSH – None listed; OSHA PELs – None listed

SPECIFIC MEASURES: Facilities storing or using this material should be equipped with an eyewash facility.



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ENGINEERING CONTROLS: Use local or mechanical exhaust if required.

EYE CONTACT: If the material gets in the eyes, immediately wash eyes with copious amounts of water, occasionally lifting the lower and upper eyelids. Continue for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash with soap and water.

INGESTION: Induce vomiting.

INHALATION: Remove to fresh air.

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Wear appropriate protective gloves

RESPIRATOR: May be needed under certain conditions.

EYE: Wear appropriate safety glasses.

OTHER PROTECTIVE CLOTHING: Follow normal safe work practices when dealing with chemicals.

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid

COLOR: Transparent amber color

ODOR: Mild odor

10% SOLUTION pH: 4.0 – 6.0

BOILING POINT (°C): NAv

SPECIFIC GRAVITY (H₂O=1): 1.14

VAPOR PRESSURE (mm Hg): NAv

VAPOR DENSITY (AIR=1): NAv

EVAPORATION RATE: NAv

PERCENT MOISTURE: ca 54%

ODOR THRESHOLD (ppm): NAv

FREEZING POINT: 5-10°C

SOLUBILITY IN WATER: Very

X. STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal temperatures and pressure

CONDITIONS TO AVOID: High temperatures

HAZARDOUS DECOMPOSITION PRODUCTS: None.



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INCOMPATIBILITY: Crosslinking can occur in solution with glyoxal, aldehydes or trivalent ions.

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HAZARDOUS POLYMERIZATION: Has not been reported

XI. TOXICOLOGICAL INFORMATION

LD50/LC50: Not Available.

CARCINOGENICITY: Gelatin is not listed as a carcinogen by ACGIH, IARD, NTP or CA Prop 65.

XII. ECOLOGICAL INFORMATION

OTHER: No relevant studies identified.

XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state and local regulations.

XIV. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA OR IMDG Regulations

XV. REGULATORY INFORMATION

SARA Act of 1986 – USA Section 302/304; Section 313: Not listed

TOXIC SUBSTANCE CONTROL ACT (TSCA) USA: Listed

DOMESTIC SUBSTANCES LIST (DSL) –CANADA: Listed

WHMIS – CANADA: Not controlled

EU INDICATION OF DANGER: Not classified

XVI. PREPARATION DATE OF MSDS

PREPARED BY: Material Safety Department

TELEPHONE: 902-637-2616

EMERGENCY TELEPHONE: 902-637-2616

DATE: March 17, 2015,

SUPERSEDES: July 15, 2014

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