



KENNEY & ROSS LIMITED

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

MATERIAL SAFETY DATA SHEET HYDROLYZED FISH COLLAGEN

For information or emergency: Telephone 902-637-2616

Date prepared March 17, 2015

I. PRODUCT INFORMATION

TRADE NAME: HYDROLYZED FISH COLLAGEN

SYNONYMS: Hydrolyzed Gelatin; Hydrolyzed Collagen

PRODUCT USE: Collagen for food products or nutraceuticals

CAS NUMBER: 68410-45-7

CHEMICAL NAME: Hydrolyzed Collagen

EINECS #: 2700822

Abbreviations used in this form: NA = Not Applicable

II. HAZARDOUS COMPONENTS

HAZARD SYMBOLS: None listed

RISK PHRASES: None listed

III. COMPOSITION

HYDROLYZED COLLAGEN: 100%

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. Use same procedure if contact is with a solution of gelatin and water.

SKIN CONTACT: Wash with soap and water.

INGESTION: None. Hydrolyzed collagen is hydrolyzed gelatin which is generally recognized as safe (GRAS).

INHALATION: Remove to fresh air.

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V. FIRE FIGHTING MEASURES



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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: Vacuum or sweep up material and place in a suitable disposal container. Clean up spills immediately observing precautions in Section 8. Avoid generating dusty conditions. Provide ventilation

VII. HANDLING AND STORAGE

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

STORAGE: Store in a cool, dry, area suitable for dry food products.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hydrolyzed Collagen: 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. Use adequate ventilation to keep airborne concentrations low.

ENGINEERING CONTROLS: Use local or mechanical exhaust to minimize exposure to dust.

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. Use same procedure if contact is with a solution of gelatin and water.

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SKIN CONTACT: Wash with soap and water.

INGESTION: None. Hydrolyzed collagen is hydrolyzed gelatin which is generally recognized as safe (GRAS).

INHALATION: Remove to fresh air.

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Wear appropriate protective gloves

RESPIRATOR: May be needed under certain conditions where significant exposure to dust occurs.

EYE: Wear appropriate safety glasses.

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

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powder

COLOR: White

ODOR: Neutral.

10% SOLUTION pH: 5.0 – 6.5

BOILING POINT (°C): NA

SPECIFIC GRAVITY (H₂O=1): 0.3

VAPOR PRESSURE (mm Hg): NA

VAPOR DENSITY (AIR=1): NA

EVAPORATION RATE: NA

PERCENT MOISTURE: <.8%

ODOR THRESHOLD (ppm): NA

FREEZING POINT (°C): NA

SOLUBILITY IN WATER: Very

X. STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal temperatures and pressure



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CONDITIONS TO AVOID: High temperatures; dust generation

HAZARDOUS DECOMPOSITION PRODUCTS: None.

INCOMPATIBILITY: None

HAZARDOUS POLYMERIZATION: Has not been reported

XI. TOXICOLOGICAL INFORMATION

LD50/LC50: Not Available.

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

XII. ECOLOGICAL INFORMATION

OTHER: Generally not hazardous for water. 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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update its own safety program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right to know and environmental protection.