



Humco Holding Group, Inc.
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24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: COLLODION FLEXIBLE

SDS NO. 0649

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Collodion Flexible

Synonyms: Collodion Flexible

Recommended Use: For manufacturing, processing, or repackaging.

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Flammable liquid: Category 1 Oral Category 4 Dermal Category 5 Inhalation Category 4
Signal Word:	Danger, Warning
Hazard Statements:	Extremely flammable liquid and vapor. Harmful if swallowed May be harmful in contact with skin Harmful if inhaled

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
NITROCELLULOSE	9004-70-0
ETHYL ALCOHOL	64-17-5
DIETHYL ETHER	60-29-7
CAMPHOR	73-22-2
CASTOR OIL	8001-79-4

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Irritation of the nose and throat. Dizziness and drowsiness. Continued exposure may lead to unconsciousness, respiratory failure and death.	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Headache, stomach pain and dizziness. Acts as a depressant of the central nervous system and can produce symptoms similar to those of inhalation exposure. Ingestion of one (1) or two (2) ounces may be fatal. Vomiting, unconsciousness, and coma.	Do not induce vomiting. Give large amounts of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin	Dermal irritation	If irritation occurs, wash with soap and water. If irritation persists, get medical attention.
Eyes	Vapors may cause irritation. Eye contact may produce severe irritation or eye damage.	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point:	< - 32°C (<-26 °F)
Auto Ignition:	180 – 190 °C (356 – 374 °F)
Extinguishing Media:	Foam, CO ₂ and dry chemical. Treat as flammable gas in a fire situation. Water spray may be used to keep fire exposed containers cool.

Products of Combustion:	Upon combustion this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.
Fire Fighting Equipment and Procedures:	Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Read entire label before using and follow all label directions. Remove all sources of ignition. Wear appropriate PPE. Keep unnecessary and unprotected personnel from entering area.
Environmental Precautions:	Prevent discharge to open waters.
Method of Containment:	Use non-sparking tools and equipment. Absorb spilled liquids in suitable inert material such as clay, vermiculite or diatomaceous earth.
Method for Clean-Up:	Ventilate area of spill or leak. Sweep or scrap up and containerize in approved chemical waste container. Wash spill area with water.

7. HANDLING AND STORAGE

Handling:	Do not take internally. Do not consume food, drink or smoke while handling this product.
Storage:	Keep from excessive heat. Keep container tightly closed and in a cool, well ventilated place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Normal room ventilation is usually adequate under normal use.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Wear safety glasses.
Skin Protection:	Wear gloves.
Respiratory Protection	None needed under normal use.
General Hygiene Considerations:	Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear or slightly opalescent, viscous liquid.	Upper/Lower Flammability:	36%/1.9%
Odor:	Ether-camphor odor	Vapor Pressure	440 @ 20°C
Odor Threshold:	Not determined	Vapor Density:	2.6
pH:	Not determined	Relative Density:	0.78
Melting point /Freezing Point:	-123 °C	Solubilities:	Slightly soluble in water.

Boiling point/range:	34.6 °C	Partition coefficient: n-octanol/water:	Not determined
Flash point	Not determined	Auto-ignition temperature	Not determined
Evaporation rate	37.5 (BuAc = 1)	Decomposition Temperature:	Not determined
Flammability:	Not flammable	Viscosity	Not determined

10. STABILITY AND RACTIVITY

Reactivity:	Reacts with air to form explosive peroxides.
Chemical Stability:	Heat, light and long standing contribute to instability. Do not allow the solvents to evaporate from the product. The dry material is shock sensitive.
Possibility of Hazardous reactions:	Reacts with air to form explosive peroxides.
Conditions to Avoid:	Extreme heat and sources of ignition.
Incompatible materials:	Acetyl peroxide, liquid air, bromoazide, chlorine, strong oxidizers, strong acids, strong bases, & amines.
Hazardous Decomposition Products:	Not determined

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined.
Skin irritation:	Not determined.
Eye contact damage:	Not determined.
Respiratory damage:	Not determined.
Ingestion overdose:	Not determined.
Delayed, immediate, or chronic effects from short- and long-term exposure	Not determined.
LD50	Not determined.
Symptoms associated with exposure:	Dizziness, drowsiness.
Carcinogenicity:	
OSHA:	Not listed
NTP:	Not listed
IARC:	Not listed

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Not determined.
Chemical degradation:	Not determined.

Biodegradation:	Not determined.
Bioaccumulation potential	Not determined.
Adsorption studies or leaching studies:	Not determined.
Other adverse effects	Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Non-Hazardous
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group number:	Not applicable
Environmental hazards:	Not applicable
Special precautions:	Avoid extreme heat and sources of ignition.

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

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