



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco CI 110L,100,100L, 90,& 70

Other means of identification:

Product Description: Westco Coumarone-Indene resins function as a plasticizer, tackifier and reinforcing resin for natural and most synthetic rubbers.

Synonyms: Coumarone Indene Resin

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Identified Uses: Adhesives, coatings, rubber

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation

Address: 4837 Darrow Road
Stow, OH 44224
USA

General Phone Number: 330 650 2244

General Fax Number: 330 650 2255

Emergency phone number:

Emergency Phone Number: Chemtrec 1 800 424 9300 USA

Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Class: Not classified according to the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Hazard Statements: Not applicable.

Precautionary Statements: None needed according to classification criteria.

Hazards not otherwise classified that have been identified during the classification process:

Naphthalene

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Eye: Eye contact may cause redness, tearing and swelling.

Skin: Skin contact may cause mechanical abrasion.

Inhalation: May irritate nasal passages or mucous membranes.

Ingestion: May cause minor irritation to stomach or intestinal tract.

Notes : As with any dust, may form combustible dust concentrations in the air.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Coumarone Indene resin	63393-89-5	99 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention
Skin Contact:	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention, if needed. Thoroughly clean and dry contaminated clothing before reuse.
Inhalation:	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.
Ingestion:	Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Provide general supportive measures and treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Dry chemical, carbon dioxide, foam, water spray
Unsuitable extinguishing media:	Do not use high-pressure water streams.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:	oxides of carbon, carbon monoxide, hydrocarbons.
Unusual Fire Hazards:	WARNING! Handling this material may create combustible dust which may be hazardous when finely divided and suspended in air. Combustible dust clouds can explode with destructive forces if ignited. Combustible dust clouds can be ignited by all common ignition sources including static electricity. Follow recognized grounding and bonding procedures. Keep away from heat, hot surfaces, sparks and open flame. Use with adequate ventilation. Minimize dust accumulation on surfaces.
Fire Fighting Instructions:	Keep away from sources of ignition - No smoking. Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.
Notes :	Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Personal Precautions, Protective Equipment and Emergency Procedures Wear appropriate personal protective equipment recommended in Section 8 of the MSDS. Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with skin and eyes. Avoid release to the environment. Only personnel trained for the hazards of this material should perform clean up and disposal.

Environmental precautions:

Environmental Precautions: Avoid generating dust. Avoid release to the environment.

Methods for cleanup: Avoid generating dust. Use non-sparking tools and equipment. Keep unnecessary people away, isolate hazard area and deny entry. Absorb with sand or other non-combustible material. Keep out of water supplies and sewers. Collect spilled material in appropriate container for disposal. Do not allow to enter into ground-water, surface water or drains.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Precautions for Safe Handling Do not handle until all safety precautions have been read and understood. Keep away from all ignition sources. Do not breathe dust. Use methods to minimize dust. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Take precautionary measures against static discharge. Dissipate static electricity during transfer by earthing (grounding and bonding) containers and equipment.

Hygiene Practices: Follow good industrial hygiene practices when handling this material.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a cool, dry place. Store in a well-ventilated area. Avoid contact with molten material. Keep separated from incompatible substances. Keep container tightly closed. Empty containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Store and handle in accordance with all current regulations and standards.

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Naphthalene :

Guideline ACGIH:	10 ppm TWA 15 ppm STEL Skin - Potential significant contribution to overall exposure by the cutaneous route.
Guideline OSHA:	10 ppm TWA; 50 mg/m ³ TWA
Guideline NIOSH:	10 ppm TWA; 50 mg/m ³ TWA 15 ppm STEL; 75 mg/m ³ STEL 250 ppm IDLH

Coumarone Indene resin :

Guideline ACGIH:	10 mg/m ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended, related to Particulates not otherwise classified (PNOC))
Guideline OSHA:	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction, related to Particulates not otherwise classified (PNOC))

Appropriate engineering controls:

Engineering Controls:	Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of these product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.
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Individual protection measures:

Eye/Face Protection:	Wear splash resistant safety goggles.
Skin Protection Description:	Wear appropriate chemical resistant clothing.
Hand Protection Description:	Wear appropriate chemical resistant gloves. Recommended material: cotton, leather, rubber, neoprene.
Respiratory Protection:	A NIOSH approved respirator with organic vapor cartridges and N95 filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Solid
Physical State Appearance:	Flakes
Color:	Amber
Odor:	Petroleum odor
Odor Threshold:	Not Available
Boiling Point:	Not Available
Melting Point:	Not Available
Density:	Not Available
Specific Gravity:	Approx. 1.08 @ 25°C
Solubility:	Not Available
Vapor Density:	Not Available
Evaporation Rate:	Not Available
pH:	Not Available
Molecular Weight:	600 to 650
Viscosity:	Not Available
Coefficient of Water/Oil Distribution:	Not Available
Flammability:	OSHA Flammability Class: Combustible Solid
Flash Point:	>400° F
Auto Ignition Temperature:	360 °C (Approx.)
Explosive Properties:	Minimum Explosive Concentration: 10 to 20 g/m ³ (MEC)
VOC Content:	Not Available

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity:	None known.
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Chemical Stability:

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions To Avoid:

Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials:

Incompatible Materials: Oxidizing materials, combustible materials

Hazardous Decomposition Products:

Special Decomposition Products: Oxides of carbon, carbon monoxide, hydrocarbons

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Naphthalene :

Acute Toxicity: Naphthalene (91-20-3)
Oral LD50Rat 1110 mg/kg
Dermal LD50Rabbit 1120 mg/kg
Inhalation LC50Rat >340 mg/m³ 1 h

Naphthalene :

Carcinogenicity: ACGIH: A4 - Not Classifiable as a Human Carcinogen IARC: Monograph 53 [1991] (related to Non-arsenical insecticides) (Group 2A (probably carcinogenic to humans)) IARC: Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans)) NTP: Reasonably Anticipated to be a Human Carcinogen DFG: Category 2 (considered to be carcinogenic for man) OSHA: Present

Skin: May cause irritation

Inhalation: Inhalation of dust may irritate upper respiratory tract

Ingestion: No information on significant adverse effects.

Sensitization: No data available.

Mutagenicity: No data available.

Reproductive Toxicity: No data available.

SECTION 12 : ECOLOGICAL INFORMATION

Naphthalene :

Ecotoxicity:

Ecotoxicity: Fish:
LC50 96 h Pimephales promelas 5.74 – 6.44 mg/L [flow-through];
LC50 96 h Oncorhynchus mykiss 1.6 mg/L [flow-through];
LC50 96 h Oncorhynchus mykiss 0.91 – 2.82 mg/L [static];
LC50 96 h Pimephales promelas 1.99 mg/L [static];
LC50 96 h Lepomis macrochirus 31.0265 mg/L [static]

Invertebrates:
EC50 48 h Daphnia magna 2.16 mg/L IUCLID;
EC50 48 h Daphnia magna 1.96 mg/L [flow-through] EPA;
EC50 48 h Daphnia magna 1.09 – 3.4 mg/L [static] EPA;

Persistence and degradability:

Biodegradation: No information available for the product.

Bioaccumulative potential:

Bioaccumulation: No information available for the product.

Mobility in soil:

Mobility In Environmental Media: No information available for the product.

Other adverse effects:

Effect of Material On Aquatic Life: May be harmful to aquatic life.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated Packaging: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated for transport.

DOT Pictograms:



IATA Shipping Name: Not regulated for transport.

IATA Pictograms:



IMDG Shipping Name : Not regulated for transport.

ADR Shipping Name : Not regulated for transport.

RID Shipping Name : Not regulated for transport.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All components of this product are listed or exempted in the TSCA inventory of Chemicals Substances.

CERCLA Section 302: If an accidental spill occurs, there is no reporting required.

State Regulations: PA RTK, Ma RTK, NJ RTK: - Listed (Naphthalene)

California PROP 65: Naphthalene - cancer causing agent

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: J

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	J

SDS Creation Date: November 03, 2015

SDS Revision Date: November 03, 2015

Notes : Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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