Safety Data Sheet

Issue Date: mm/dd/yyyy **Revision Date:** mm/dd/yyyy **SDS Number:** 10-CVC-01 **Version:** 1

Section 1: Identification

Product Identifier

Product Name: Chemical Vulcanizing Cement Flammable
Chemical Vulcanizing Cement Fast Dry Flammable

Catalog No: 1-700, 1-701, 1-702, 1-703, 1-704, 2-700, 2-701, 2-702, 2-703, 2-704, 4-700, 4-701, 4-702, 4-703, 4-704, 1-644, 1-645, 1-646, 1-647, 1-648, 2-644, 2-645, 2-646, 2-647, 2-648, 4-644, 4-645, 4-646, 4-647, 4-648

Other means of identification

SDS #: 10-CVC-01
UN/ID No: UN1133

Recommended use of Chemical & restriction on use

Recommended Use: Rubber adhesive
Restriction use: No further relevent information available

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
ELGI Rubber Company, LLC
Plant-1
600 N Magnolia Ave
Luling, TX 78648
Phone: (830) 875-5539
Fax: (830) 875-5562

Emergency Telephone Number

INFOTRAC Company Phone Number: +1 (352) 323-3500
EMERGENCY Telephone (24hr): INFOTRAC +1 (352) 323-3500 (International)
1-800-535-5053 (North America)

Section 2: Hazards Identification

Classification of the substance or mixture

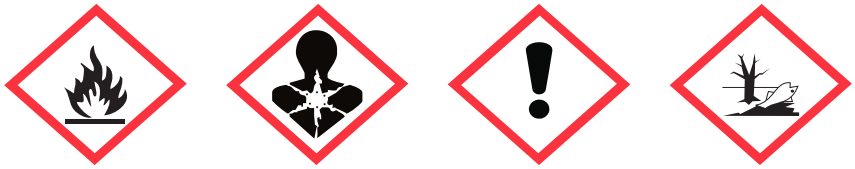
OSHA/HCS status: This material is considered hazardous by the OSHA GHS Hazard Communication Standard (29 CFR 1910.1200).

Classifications:

Flam. Liq.	Category 2	H225 Highly flammable liquid and vapour.
Asp. Tox.	Category 1	H304 May be fatal if swallowed and enters airways.
Skin Irrit.	Category 2	H315 Causes skin irritation.
STOT SE	Category 3	H336 May cause drowsiness or dizziness.
Aquatic Acute	Category 1	H400 Very toxic to aquatic life.
Aquatic Chronic	Category 1	H410 Very toxic to aquatic life with long lasting effects.

GHS Label Elements

Pictograms:



Appearance: Colourless liquid

Physical State: Liquid

Odor: Petrolic

Signal Word: DANGER

Hazards Statements:

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces - NO Smoking.
P233	Keep container tightly closed.
P240	Ground / bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist / vapours.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye / face protection.

Precautionary Statements - Response:

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment(see supplemental first aid instructions on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and was before reuse.
P370 + P378	In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) for extinction.
P391	Collect spillage.

Precautionary Statements - Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements - Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Other Hazards: Harmful to aquatic life with long lasting effects.

Section 3: Composition/Information on Ingredients

Substances

Chemical Names: HEPTANE; n-Heptane; Heptan; Heptyl hydride; 142-82-5; Dipropyl methane

Formula: C7H16

Molecular Weight: 100.20g/mol

EC-No: 205-563-8

Index: 601-008-00-2

Components	CAS No	Weight-%
Heptane	142-82-5	80% - 95%
Trichloroethylene	79-01-6	5% - 15%
Zinc Dibutyldithiocarbomate	136-23-2	0% - 2%

Section 4: First-Aid Measures

First Aid Measures

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin Contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Inhalation Contact: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion Contact: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If victim is conscious: Rinse mouth out with plenty of water. Let victim drink water as much as possible in small sips. Get immediate medical attention.

Most Important Symptoms and Effects

Symtoms: Causes skin and eye irritation . Possible symptoms are irritation of the mucous membranes, dry cough and respiratory difficulty. Symptoms may include dizziness, headache, nausea and loss of coordination Suitable first-aid treatment should be immediately available. Seek medical advice before using product. May result in pulmonary oedema.

Most Important Symptoms and Effects

Notes to Physician: Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents. (e.g., in enclosed spaces or with deliberate use.) The use of other drugs with less arrhythmogenic potential should be considered. If sympthomimetic drugs are administered, observe for the development of cardiac arrhythmias.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Suitable Extinguishing: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing: Do not use a solid water stream. Flash back possible over considerable distances.

Specific Hazards Arising from the Chemical

* Flammable, container may explode when heated. Flash back possible over considerable distances.

Hazardous Combustion Products: Carbon dioxide and Carbon monoxide.

Sensitivity to Static Discharge: No further relevent information available

Protective equipment and precautions for firefighters

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For Emergency Responders: Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Precautions for Environments

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Methods for Containment: Contain spillage and ventilate area. Keep away from ignition sources (including static discharges). Evacuate area. Prevent evaporation by covering with foam.

Methods for Clean-up: Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor.

Section 7: Handling and Storage

Precautions for safe handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practices. Do not handle until all safety precautions have been read and understood. For precautions see section 2.2. Use personal protection recommended in Section 8. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment.Keep away from sources of ignition - No smoking.Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage, including any imcompatibilities

Storage Conditions: Store under inert gas. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid heat, flames, sparks and other sources of ignition. Wear splash resistant goggles, chemical resistant clothing and gloves, and adequate respiratory mask.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
(n-) Heptane 142-82-5	400 ppm (1,640 mg/m3) TWA 500 ppm (2,050 mg/m3) STEL	400 ppm (1,600 mg/m3) TWA 500 ppm (2,000 mg/m3) STEL	85 ppm (350 mg/m3) TWA 440 ppm (1,800 mg/m3) Ceiling (15 minutes)
Trichloroethylene 79-01-6	50 ppm (269 mg/m3) TWA 100 ppm (537 mg/m3) STEL	100 ppm (537 mg/m3) TWA 200 ppm (1074 mg/m3) ceiling (5 minutes)	25 ppm TWA 10 hour(s) 2 ppm ceiling 60 minute(s)

Legend:

ACGIH - American Conference of Governmental Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH - The National Institute for Occupantional Safety and Health Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Wear spash resistent googles or safety glasses that have been tested and approved under government standards.

Skin and Body Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Keep self contained breathing apparatus readily available for emergency use. If repiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standards(29CFR 1910.134), applicable U.S. State regulations, or Canadian CSA Standards Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standards (1910.134-1998).

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety procedures. Refer to local regulations for restriction of waste disposal.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid

Appearance: High viscosity liquid, cloudy

Color: Clear, Colorless liquid

Odor: Petrolic

Odor Threshold: Not determined

pH:	**Not determined**
Melting Point/Freezing Point:	**–91.0 to –90.1 °C; –131.7 to –130.3 °F; 182.2 to 183.0 K**
Boiling Point/Boiling Range:	**98.1 to 98.7 °C; 208.5 to 209.6 °F; 371.2 to 371.8 K**
Flash Point:	**–4.0 °C (24.8 °F; 269.1 K) - closed up**
Evaporation Rate:	**Not determined**
Flammablility(solid, gas):	**Not determined**
Upper Flammability Limits:	**7% (V)**
Lower Flammability Limits:	**1.1% (V)**
Vapor Pressure:	**110.7 hPa (83.0 mmHg) at 37.7 °C (99.9 °F) 53.3 hPa (40.0 mmHg) at 20.0 °C (68.0 °F)**
Vapor Density:	**3.30 (Air=1)**
Specific Gravity:	**0.684 g/mL at 25 °C (77 °F)**
Solubility in other Solvents:	**insoluble**
Partition Coefficient:	**log Pow: > 3.000**
Autoignition Temperature:	**223.0 °C (433.4 °F; 496.1 K)**
Decomposition Temperature:	**Not determined**
Viscosity:	**Not determined**
Explosive Properties:	**Not determined**
Oxidizing Properties:	**Not determined**

Other safety information

Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

Section 10: Stability and Reactivity

Reativity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reaction

Vapors may form explosive mixture with air

Conditions to Avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

If involved in a fire the following toxic and/or corrosive fumes may be produced by thermal decomposition: Carbon dioxide and Carbon monoxide.

Section 11: Toxicological Information

Information on likely routes of Exposure

Eye Contact: Cause severe eye irritation

Skin Contact: Cause skin irritation

Inhalation: May be harmful if inhaled,

Ingestion: May be harmful if swallowed

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Heptane (n-) 142-82-5	> 5000 mg/kg (rat)	-	103 mg/l (rat) 4hrs

symptoms: Please see section 4 of this SDS for symptom information.

Carcinogenicity: This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Reproductive Toxicity: No data available

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: May cause skin dryness or cracking.
May result in skin and/or respiratory sensitivity.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Section 12: Ecological Information

Ecotoxicity

Toxicity to fish :

LC50 - Carassius auratus (goldfish) - 4 mg/l - 24.0 h
LC50 - Tilapia mossambica - 375 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water flea) - 1.50 mg/l - 48 h

Persistence and degradability

Ratio BOD/ThBOD 3.5 %

Bioaccumulative potential

Indication of bioaccumulation.

Mobility in soil

no data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

Do not empty into drains. Avoid release to the environment.

Section 13: Disposal Considerations

Waste Treatment Methods

Product: **Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unsued contents in accordance with federal, state, and local requirements.**

Contaminated Packaging: **Disposal should be in accordance with applicable regional, national and local laws and regulations.**

Section 14: Transport Information

DOT

UN/ID No:	**UN1133**
Proper Shipping Name:	**Rubber Adhesive (Heptanes (n-))**
Hazard Class:	**3**
Packing Group:	**II**
Environmental Hazards:	**No**
Special Provisions:	**Based on packaging size, product may be eligible for limited quantity exceptions or reclassified as ORM-D.**

IATA

UN/ID No:	**UN1133**
Proper Shipping Name:	**Rubber Adhesive (Heptanes (n-))**
Hazard Class:	**3**
Packing Group:	**II**
Environmental Hazards:	**No**
Special Provisions:	**Based on packaging size, product may be eligible for limited quantity exceptions or reclassified as ORM-D.**

IMDG

UN/ID No:	**UN1133**
Proper Shipping Name:	**Rubber Adhesive (Heptanes (n-))**
Hazard Class:	**3**
Packing Group:	**II**
EMS:	**F-E, S-D**
Environmental Hazards:	**Yes (Heptane (n-))**
Special Provisions:	**Based on packaging size, product may be eligible for limited quantity exceptions or reclassified as ORM-D**

Special Precautions

Transport within user's premises:	**Always transport in closed containers that are upright and secure. Ensure that personal transporting the product know what to do in the event of an accident or spillage.**
Transport in bulk:	**According to Annex II of MARPOL 73/78 and the IBC Code.**

Section 15: Regulatory Information

U.S. Federal Regulations

SARA 311/312 Hazards: Fire Hazard

SARA 302 Reportable Quantity: This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 313 Ingredients: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Component Analysis: None of this products components are listed under CERCLA (40 CFR 302.4).

TSCA Component Analysis: Components of this product have been checked against the nonconfidential TSCA inventory by CAS Registry Number. Components not identified on this nonconfidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier. Component Analysis - Inventory

CAS # TSCA CAN EEC: Heptane (n-) 142-82-5, Yes DSL EINECS

Right-to-Know

Massachusetts Right to Know Components: Heptane (n-) 142-82-5
Trichloroethylene 79-01-6

Pennsylvania Right To Know Components: Heptane (n-) 142-82-5
Trichloroethylene 79-01-6

New Jersey Right To Know Components: Heptane (n-) 142-82-5
Trichloroethylene 79-01-6

California Prop. 65 Components: This product does contain known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Regulations

WHMIS Classification: Class B-2: Flammable & Combustible Materials
Class D-2A & D-2B: Material Causing other Toxic Effects

WHMIS IDL Component Analysis: The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List.

CAS # Minimun Concentration: Heptane (n-) 142-82-5 = 1% (Eng. item 806, FR. item 940)

Section 16: Other Information

NFPA Classification

Health Hazard: 1
Fire Hazard: 3
Reactivity Hazard: 0

HMIS Classification

Health Hazard: 1
Fire Hazard: 3
Reactivity Hazard: 0

Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Revision Number:

Revision Date:

SDS Prepared by:

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