Safety Data Sheet

Issue Date: 09-Jun-2015 **Revision Date:** 20-Jun-2016 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name Flammable Chemical Vulcanizing Cement, Flammable Chemical Vulcanizing Cement Fast Dry, Flammable Chemical Vulcanizing Cement Blue, Flammable Chemical Vulcanizing Cement Heavy Duty Blue, Flammable Chemical Vulcanizing Cement Fast Dry Blue

Other means of identification

SDS # ELG-006

Product Code Catalog Numbers: 1-654, 1-655, 1-656, 1-657, 1-658, 2-654, 2-655, 2-656, 2-657, 2-658, 4-654, 4-655, 4-656, 4-657, 4-658, 1-664, 1-665, 1-666, 1-667, 1-668, 2-664, 2-665, 2-666, 2-667, 2-668, 4-664, 4-665, 4-666, 4-667, 4-668, 1-674, 1-675, 1-676, 1-677, 1-678, 2-674, 2-675, 2-676, 2-677, 2-678, 4-674, 4-675, 4-676, 4-677, 4-678, 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, CH20, CH21, CH22, CH23, CH24

UN/ID No UN1133

Recommended use of the chemical and restrictions on use

Recommended Use Rubber adhesive.

Details of the supplier of the safety data sheet

Supplier Address

ELGI Rubber Company, LLC
600 N. Magnolia Ave.
Luling, TX 78648
Ph: 830-875-5539

Emergency Telephone Number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Blue high viscosity liquid **Physical state** Liquid **Odor** Petrolic

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Liquids	Category 2

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word

Danger

Hazard statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing genetic defects
May cause cancer
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do not induce vomiting
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards
Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
N-Heptane	142-82-5	85-95
Trichloroethylene	79-01-6	5-15
Zinc dibutyldithiocarbamate	136-23-2	0-2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Ingestion Do not induce vomiting. Immediately call a poison center or doctor/physician. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Most important symptoms and effects

Symptoms Causes skin irritation. May be harmful in contact with skin. May cause an allergic skin reaction. Causes serious eye irritation. May cause pulmonary edema. May cause drowsiness or dizziness. Possible symptoms are irritation of the mucous membranes, dry cough and respiratory difficulty. Other symptoms may include dizziness, headache, nausea, and loss of coordination.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents. The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Alcohol resistant foam. Dry chemical. Carbon dioxide (CO2).

Unsuitable Extinguishing Media Do not use solid water streams.

Specific Hazards Arising from the Chemical
Highly flammable liquid and vapor. The liquid vapor may settle into low areas or may travel along the ground or surface to ignition sources where they might ignite or explode. Flash back possible over considerable distance.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2).

Explosion Data
Sensitivity to Static Discharge Take precautionary measures against static discharge.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool. Fight fire remotely due to the risk of explosion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapors or mists.

Environmental precautions

Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Prevent evaporation by covering with foam. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.

Methods for Clean-Up Use only non-sparking tools. Place in properly labeled, sealed, non-leaking containers. Dispose of contents/container via a licensed waste disposal contractor. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Keep cool. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Store locked up. Heat sensitive-store under inert gas.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N-Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m^3 (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m^3 (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m^3	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m^3 15 min TWA: 85 ppm TWA: 350 mg/m^3
Trichloroethylene 79-01-6	STEL: 25 ppm TWA: 10 ppm	TWA: 100 ppm (vacated) TWA: 50 ppm (vacated) TWA: 270 mg/m^3 (vacated) STEL: 200 ppm (vacated) STEL: 1080 mg/m^3 Ceiling: 200 ppm	IDLH: 1000 ppm

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Showers Eyewash stations
Ventilation systems. Explosion-proof general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear goggles or chemical safety glasses. Refer to 29 CFR 1910.133 for eye and face protection regulations.

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. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Blue high viscosity liquid	**Odor**	Petrolic
Color	Blue	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	-90.0 to -90.1 °C / -131.7 to -130.3 °F	
Boiling Point/Boiling Range	98.1 to 98.7 °C / 208.5 to 209.6 °F	
Flash Point	-4.0 °C / 24.8 °F	
Evaporation Rate	4	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		Not applicable
Upper Flammability Limits	7%	
Lower Flammability Limit	1.1%	
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)
Relative Density	0.684 g/mL at 25° C (77° F)	
Water Solubility	Not determined	
Solubility in other solvents	Insoluble	
Partition Coefficient	log Pow > 3.000	
Auto-ignition Temperature	223.0 °C / 433.4 °F	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

Other Information

Molecular weight	100.2 g/mol
VOC Content (%)	N/A

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Heat, flames and sparks.

Incompatible Materials
Strong oxidizing agents.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation. May be harmful in contact with skin. May cause an allergic skin reaction.

Inhalation May cause drowsiness or dizziness. May cause irritation to the mucous membranes and upper respiratory tract.

Ingestion May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
N-Heptane 142-82-5	-	= 3000 mg/kg (Rabbit)	= 103 g/m^3 (Rat) 4 h
Trichloroethylene 79-01-6	= 4920 mg/kg (Rat) = 4290 mg/kg (Rat)	= 29000 mg/kg (Rabbit) > 20 g/kg (Rabbit)	= 26 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity May cause cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Trichloroethylene 79-01-6	A2	Group 1	Reasonably Anticipated	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

STOT - single exposure May cause drowsiness or dizziness.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 28,600.00 mg/kg
ATEmix (dermal) 3,085.00 mg/kg
ATEmix (inhalation-dust/mist) 67.00 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
N-Heptane 142-82-5		375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L EC50
Trichloroethylene 79-01-6	175: 96 h Pseudokirchneriella subcapitata mg/L EC50 450: 96 h Desmodesmus subspicatus mg/L EC50	31.4 - 71.8: 96 h Pimephales promelas mg/L LC50 flow-through 39 - 54: 96 h Lepomis macrochirus mg/L LC50 static	2.2: 48 h Daphnia magna mg/L EC50
Zinc dibutyldithiocarbamate 136-23-2		520: 96 h Oncorhynchus mykiss mg/L LC50 880: 96 h Lepomis macrochirus mg/L LC50	0.74: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
N-Heptane 142-82-5	4.66
Trichloroethylene 79-01-6	2.29

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes 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 unused 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.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Trichloroethylene 79-01-6	U228	Included in waste streams: F001, F002, F024, F025, F039, K018, K019, K020	0.5 mg/L regulatory level	U228

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Trichloroethylene 79-01-6	Category I - Volatiles		Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and	

			spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
N-Heptane 142-82-5	Toxic Ignitable
Trichloroethylene 79-01-6	Toxic
Zinc dibutyldithiocarbamate 136-23-2	Toxic

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II

IATA

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II

IMDG

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II
Marine Pollutant	Yes

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E	ENCS	IECSC	KECL	PICCS	AICS

			LINCS					
N-Heptane	X	X	X	Present	X	Present	X	X
Trichloroethylene	X	X	X	Present	X	Present	X	X
Zinc dibutyldithiocarbamate	X	X	X	Present	X	Present	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Trichloroethylene 79-01-6	100 lb 1 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Trichloroethylene - 79-01-6	79-01-6	5-15	0.1
Zinc dibutyldithiocarbamate - 136-23-2	136-23-2	0-2	1.0

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trichloroethylene	100 lb	X	X	X
Zinc dibutyldithiocarbamate		X		

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Trichloroethylene - 79-01-6	Carcinogen Developmental Male Reproductive

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
N-Heptane 142-82-5	X	X	X
Trichloroethylene 79-01-6	X	X	X
Zinc dibutyldithiocarbamate 136-23-2	X		X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	3	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	1	3	0	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet