RAINBOW TECHNOLOGY CORPORATION
Specialists in Utility Chemicals & Safety Items

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Woman-Owned Business Enterprise - Founded 1971

Safety Data Sheet (SDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Manufacturer/Distributor: Rainbow Technology Corporation 800.637.6047

Contact Person: Larry Joe Steeley, Jr.

Emergency Phone (24 hrs): Chem-Tel 800.255.3924

Trade Name: Weld-It Part A Epoxy Resin

Product Number: 79496

Issue Date: August 30, 2018

Replaces SDS Dated: March 20, 2012

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1A	H350
STOT SE 3	H335
Aquatic Acute 2	H401

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS07 GHS08

Signal word (GHS-US) : Danger.

Hazard statements (GHS-US) :
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H340 - May cause genetic defects
H350 - May cause cancer
H401 - Toxic to aquatic life

Precautionary statements (GHS-US) :
P233 - Keep container tightly closed
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing vapors
P270 - Do no eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention

P403+P235 - Store in a cool and well-ventilated place.
P363 - Wash contaminated clothing before reuse
P411 - Store at temperatures not exceeding 38C/100F
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws
P262 - Do not get in eyes, on skin, or on clothing
P302 - IF ON SKIN: Wash skin with mild soap and water.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
Calcium Carbonate	(CAS No) 1317-65-3	24 - 40	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 STOT SE 3, H335
distillates, hydrotreated light	(CAS No) 64742-47-8	0.5 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
carbon black	(CAS No) 1333-86-4	< 5	Carc. 2, H351
quartz	(CAS No) 14808-60-7	0.04 - 0.4	Carc. 1A, H350
solvent naphtha (petroleum), light aromatic	(CAS No) 64742-95-6	0.1 - 0.3	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : Gently wash with plenty of soap and water. Remove contaminated clothing. Take victim to a doctor if irritation persists.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Consult a doctor/medical service.

First-aid measures after ingestion : Give milk to drink. Get immediate medical attention. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Irritation of the respiratory tract.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : No effects known.

Chronic symptoms : May aggravate existing skin conditions. May cause an allergic skin reaction. May cause dermatitis by skin contact.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : carbon dioxide (CO2), dry chemical powder, foam. Water spray or fog.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heating increases the fire hazard.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity	:	May polymerize.

5.3. Advice for firefighters

Firefighting instructions	:	Exercise caution when fighting any chemical fire. Extinguish/cool from behind cover/unmanned monitors.
Protection during firefighting	:	Firefighters should wear positive pressure self contained breating apparatus (SCBA) and full turnout gear.
Other information	:	carbon oxides (CO and CO2). Other toxic vapors.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ventilate area.

6.1.1. For non-emergency personnel

Protective equipment	:	Gloves. Protective clothing. Safety glasses.
Emergency procedures	:	In case of reactivity hazard: consider evacuation. In case of hazardous reactions: keep upwind.

6.1.2. For emergency responders

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Stop leak if safe to do so. Ventilate area. Stop release.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Try to stop release.

6.3. Methods and material for containment and cleaning up

For containment	:	Dam up the liquid spill. Plug the leak, cut off the supply.
Methods for cleaning up	:	Take up liquid spill into inert absorbent material. Absorbed substance: shovel into drums. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Do not discharge the waste into the drain. Do not breathe vapors. Do no eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Handling temperature	:	≤ 37 °C
Hygiene measures	:	Do no eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Comply with applicable regulations. Use explosion-proof electrical equipment. Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources.
Incompatible products	:	inert gases. Reducing agents. strong acids. Oxidizing agent. amines. alkalis. Strong bases.
Incompatible materials	:	Direct sunlight. UV radiation. Heat sources.
Maximum storage period	:	6 months @ 27C/80F
Storage temperature	:	< ≤ 38 °C
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Prohibitions on mixed storage	:	(strong) acids. (strong) bases. oxidizing agents. reducing agents.
Storage area	:	Store in a well-ventilated place. Store in a dry area. Store in a cool area. Store away from heat. Keep out of direct sunlight. Store only in a dilute solution.

7.3. Specific end use(s)

Adhesive: component.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Kore 7510 Resin		
ACGIH	Not applicable	
OSHA	Not applicable	

solvent naphtha (petroleum), light aromatic (64742-95-6)		
ACGIH	Not applicable	
OSHA	Not applicable	

distillates, hydrotreated light (64742-47-8)		
ACGIH	Not applicable	
OSHA	Not applicable	

Calcium Carbonate (1317-65-3)		
ACGIH	Not applicable	
OSHA	Not applicable	

quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
OSHA	Not applicable	

carbon black (1333-86-4)		
ACGIH	ACGIH TWA (mg/m³)	3 mg/m³
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.

Personal protective equipment : Gloves. Protective clothing. Safety glasses.

Materials for protective clothing : Chemical resistant.

Hand protection : Nitrile rubber (NBR) /.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Insufficient ventilation: wear respiratory protection.

Thermal hazard protection : None necessary.

Environmental exposure controls : Specific risk management measures are not required beyond good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : gel.

Color : Black

Odor : Mild odour

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 93 °C

Self ignition temperature : No data available

Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	1.07
Solubility	:	Poorly soluble in water. Water: Solubility in water of component(s) of the mixture : • : mg/l • : • : 19.8 g/100ml • : < 0.01 g/100ml • : 40 g/100ml • : < 0.1 g/100ml • : • : < 0.01 g/100ml
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

VOC content : < 1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

May polymerize.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Acids. amines. Direct sunlight. Heat. free radical initiators. loss of dissolved air; loss of polymerization inhibitor. Oxidizing agents. UV radiation.

10.5. Incompatible materials

Alkalis. All heat sources. Amines. Avoid free radical initiators, oxidizing and reducing agents. strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic Vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

Calcium Carbonate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat; Literature study)
ATE US (oral)	6450.000 mg/kg body weight

carbon black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)

Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	May cause genetic defects.
Carcinogenicity	:	May cause cancer.

quartz (14808-60-7)	
IARC group	1 - Carcinogenic to Humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

carbon black (1333-86-4)	
IARC group	2B - Possibly Carcinogenic to Humans

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Irritation of the respiratory tract.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : No effects known.

Chronic symptoms : May aggravate existing skin conditions. May cause an allergic skin reaction. May cause dermatitis by skin contact.

SECTION 12: Ecological information

12.1. Toxicity

distillates, hydrotreated light (64742-47-8)	
NOEC chronic fish	<= 0.1 mg/l
NOEC chronic crustacea	<= 1 mg/l

carbon black (1333-86-4)	
LC50 fish 1	> 1000 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1	> 5600 mg/l (24 h; Daphnia magna)

12.2. Persistence and degradability

distillates, hydrotreated light (64742-47-8)	
Persistence and degradability	Inherently biodegradable.

Calcium Carbonate (1317-65-3)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

quartz (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

carbon black (1333-86-4)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

solvent naphtha (petroleum), light aromatic (64742-95-6)	
Log Pow	2.1 - 6

distillates, hydrotreated light (64742-47-8)	
Bioaccumulative potential	Contains bioaccumulative component(s).

Calcium Carbonate (1317-65-3)	
Bioaccumulative potential	No bioaccumulation data available.

quartz (14808-60-7)	
Bioaccumulative potential	Bioaccumulation: not applicable.

carbon black (1333-86-4)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

distillates, hydrotreated light (64742-47-8)	
Ecology - soil	Large volumes may penetrate soil and contaminate groundwater.

carbon black (1333-86-4)	
Ecology - soil	Not toxic to plants. Not toxic to animals.

12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : Dispose of contents/container to an approved waste disposal facility in accordance with applicable local, state, national laws.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

State during transport (ADR-RID) : as liquid.

ADR

Danger labels (ADR) : Not applicable

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Kore 7510 Resin	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

distillates, hydrotreated light (64742-47-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

carbon black (1333-86-4)	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard

15.2. International regulations

CANADA

Kore 7510 Resin	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

No additional information available

distillates, hydrotreated light (64742-47-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

15.2.2. National regulations

Kore 7510 Resin
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

carbon black (1333-86-4)
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

15.3. US State regulations

Kore 7510 Resin	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

carbon black (1333-86-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

quartz (14808-60-7)
This product contains chemicals known to the State of California to cause cancer.

carbon black (1333-86-4)
This product contains chemicals known to the State of California to cause cancer.

SECTION 16: Other information

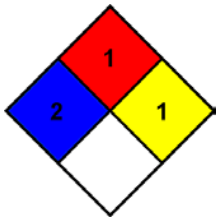
Full text of H-phrases::

Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 4	Flammable liquids Category 4
Muta. 1B	Germ cell mutagenicity Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
Skin Sens. 1B	Skin sensitization Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard

Physical : 1 Slight Hazard

Personal Protection : X

SDS US (GHS HazCom 2012)

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Safety Data Sheet (SDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Manufacturer/Distributor: Rainbow Technology Corporation 800.637.6047
Contact Person: Larry Joe Steeley, Jr.
Emergency Phone (24 hrs): Chem-Tel 800.255.3924
Trade Name: Weld-It Part B Mercaptan Epoxy Hardener
Product Number: 79496
Issue Date: August 30, 2018
Replaces SDS Dated: March 20, 2012

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1A	H350
STOT SE 3	H335

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS07 GHS08

Signal word (GHS-US) : Danger.

Hazard statements (GHS-US) :
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H340 - May cause genetic defects
H350 - May cause cancer

Precautionary statements (GHS-US) :
P233 - Keep container tightly closed
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing vapors
P270 - Do no eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P403+P235 - Store in a cool and well-ventilated place.
P363 - Wash contaminated clothing before reuse
P411+P235 - Store at temperatures not exceeding 38C/100F. Keep cool.
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws
P262 - Do not get in eyes, on skin, or on clothing

P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P302 - IF ON SKIN: Wash skin with mild soap and water.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
Calcium Carbonate	(CAS No) 1317-65-3	20.94 - 34.9	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 STOT SE 3, H335
2,4,6-tris(dimethylaminomethyl)phenol	(CAS No) 90-72-2	<= 5.85	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 3, H402
titanium(IV) oxide	(CAS No) 13463-67-7	3.999 - 4.5105	Carc. 2, H351
quartz	(CAS No) 14808-60-7	0.0349 - 0.349	Carc. 1A, H350
solvent naphtha (petroleum), light aromatic	(CAS No) 64742-95-6	0.19 - 0.2375	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : Gently wash with plenty of soap and water. Remove contaminated clothing. Take victim to a doctor if irritation persists.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Consult a doctor/medical service.

First-aid measures after ingestion : Give milk to drink. Get immediate medical attention. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Irritation of the respiratory tract.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : No effects known.

Chronic symptoms : May aggravate existing skin conditions. May cause an allergic skin reaction. May cause dermatitis by skin contact.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : carbon dioxide (CO_2), dry chemical powder, foam. Water spray or fog.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heating increases the fire hazard.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity : May polymerize.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Extinguish/cool from behind cover/unmanned monitors.

Protection during firefighting	:	Firefighters should wear positive pressure self contained breating apparatus (SCBA) and full turnout gear.
Other information	:	carbon oxides (CO and CO2). Other toxic vapors.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ventilate area.

6.1.1. For non-emergency personnel

Protective equipment	:	Gloves. Protective clothing. Safety glasses.
Emergency procedures	:	In case of reactivity hazard: consider evacuation. In case of hazardous reactions: keep upwind.

6.1.2. For emergency responders

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Stop leak if safe to do so. Ventilate area. Stop release.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Try to stop release.

6.3. Methods and material for containment and cleaning up

For containment	:	Dam up the liquid spill. Plug the leak, cut off the supply.
Methods for cleaning up	:	Take up liquid spill into inert absorbent material. Absorbed substance: shovel into drums. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Do not discharge the waste into the drain. Do not breathe vapors. Do no eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Handling temperature	:	≤ 37 °C
Hygiene measures	:	Do no eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Comply with applicable regulations. Use explosion-proof electrical equipment. Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources.
Incompatible products	:	inert gases. Reducing agents. strong acids. Oxidizing agent. amines. alkalis. Strong bases.
Incompatible materials	:	Direct sunlight. UV radiation. Heat sources.
Maximum storage period	:	6 months @ 27C/80F
Storage temperature	:	< ≤ 38 °C
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Prohibitions on mixed storage	:	(strong) acids. (strong) bases. oxidizing agents. reducing agents.
Storage area	:	Store in a well-ventilated place. Store in a dry area. Store in a cool area. Store away from heat. Keep out of direct sunlight. Store only in a dilute solution.

7.3. Specific end use(s)

Adhesive: component.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Kore 7510 Hardener	
ACGIH	Not applicable
OSHA	Not applicable

Calcium Carbonate (1317-65-3)		
ACGIH	Not applicable	
OSHA	Not applicable	

quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
OSHA	Not applicable	

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
ACGIH	Not applicable
OSHA	Not applicable

solvent naphtha (petroleum), light aromatic (64742-95-6)	
ACGIH	Not applicable
OSHA	Not applicable

titanium(IV) oxide (13463-67-7)		
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.

Personal protective equipment : Gloves. Protective clothing. Safety glasses.

Materials for protective clothing : Chemical resistant.

Hand protection : Nitrile rubber (NBR) /.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Insufficient ventilation: wear respiratory protection.

Thermal hazard protection : None necessary.

Environmental exposure controls : Specific risk management measures are not required beyond good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : gel.

Color : Off-white

Odor : Mild odour

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 93 °C

Self ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : 1.07

Solubility	:	Poorly soluble in water. Water: Solubility in water of component(s) of the mixture : • : < 0.1 g/100ml • : • : • : > 16 g/100ml • : < 0.01 g/100ml • : 19.8 g/100ml • : 0.15 g/100ml • : 0.15 g/100ml • : < 0.01 g/100ml • : < 0.1 g/100ml
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May polymerize.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Acids. amines. Direct sunlight. Heat. free radical initiators. loss of dissolved air; loss of polymerization inhibitor. Oxidizing agents. UV radiation.

10.5. Incompatible materials

Alkalis. All heat sources. Amines. Avoid free radical initiators, oxidizing and reducing agents. strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic Vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Calcium Carbonate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat; Literature study)
ATE US (oral)	6450.000 mg/kg body weight

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
LD50 oral rat	1200 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 2169 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; Other; >1 ml/kg; Rat; Experimental value)
ATE US (oral)	1200.000 mg/kg body weight

titanium(IV) oxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)

Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	May cause genetic defects.
Carcinogenicity	:	May cause cancer.

quartz (14808-60-7)	
IARC group	1 - Carcinogenic to Humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

titanium(IV) oxide (13463-67-7)	
Additional information	Inhalation of powdered form
IARC group	2B - Possibly Carcinogenic to Humans

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Irritation of the respiratory tract.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : No effects known.

Chronic symptoms : May aggravate existing skin conditions. May cause an allergic skin reaction. May cause dermatitis by skin contact.

SECTION 12: Ecological information

12.1. Toxicity

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
LC50 fish 1	> 100 mg/l (96 h; Pisces; Nominal concentration)
EC50 Daphnia 1	10 - 100 mg/l (Invertebrata; Estimated value)
LC50 fish 2	70.9 mg/l (96 h; Pisces)
Threshold limit algae 1	10 - 100,Algae
Threshold limit algae 2	84 mg/l (72 h; Scenedesmus subspicatus; Growth rate)

titanium(IV) oxide (13463-67-7)	
LC50 fish 1	> 1000 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	< 1000 mg/l (432 h; Daphnia magna; Static system)
LC50 fish 2	> 1 g/l (96 h; Leuciscus idus)
EC50 Daphnia 2	< 500 mg/l (720 h; Daphnia magna; Static system)
Threshold limit algae 1	61 mg/l (72 h; Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

Calcium Carbonate (1317-65-3)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

quartz (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil. Low potential for adsorption in soil.

titanium(IV) oxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

Calcium Carbonate (1317-65-3)	
Bioaccumulative potential	No bioaccumulation data available.

quartz (14808-60-7)	
Bioaccumulative potential	Bioaccumulation: not applicable.

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Log Pow	0.77 (Literature; 0.219; Experimental value; Equivalent or similar to OECD 107; 21.5 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

solvent naphtha (petroleum), light aromatic (64742-95-6)	
Log Pow	2.1 - 6

titanium(IV) oxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : Dispose of contents/container to an approved waste disposal facility in accordance with applicable local, state, national laws.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

State during transport (ADR-RID) : as liquid.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Kore 7510 Hardener	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

Kore 7510 Hardener	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

15.2.2. National regulations

Kore 7510 Hardener
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

15.3. US State regulations

Kore 7510 Hardener	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

titanium(IV) oxide (13463-67-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

quartz (14808-60-7)
This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

titanium(IV) oxide (13463-67-7)
This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: Other information

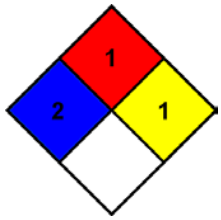
Full text of H-phrases::

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Muta. 1B	Germ cell mutagenicity Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
Skin Sens. 1B	Skin sensitization Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H402	Harmful to aquatic life

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard

Physical : 1 Slight Hazard

Personal Protection : X

SDS US (GHS HazCom 2012)