Zip Crete Part B

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 2/25/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Zip Crete 137

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use	:	Rapid curing concrete repair for fixing holes, cracks and to resurface areas
Restrictions on use	:	Freezing temperatures,Wet areas

1.4. Supplier's details

Midwest Industrial Products
1400 Brookpark Rd
Cleveland, OH 44109
T 800-521-2107
midwestindprod@aol.com

1.5. Emergency phone number

Emergency number	:	For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA) CCN 226509

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Acute toxicity (dermal), Category 4	H312	Harmful in contact with skin.
Acute toxicity (inhalation:dust,mist), Category 4	H332	Harmful if inhaled.
Skin corrosion/irritation, Category 1C	H314	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Respiratory sensitization, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Reproductive toxicity, Category 2	H361	Suspected of damaging fertility. Suspected of damaging the unborn child.
Specific target organ toxicity — Single exposure, Category 1	H370	Causes damage to organs (blood, stomach).
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Specific target organ toxicity — Repeated exposure, Category 1	H372	Causes damage to organs (kidneys) through prolonged or repeated exposure.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Harmful if swallowed, in contact with skin or if inhaled
Causes severe skin burns and eye damage
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause drowsiness or dizziness
Suspected of damaging fertility. Suspected of damaging the unborn child.
Causes damage to organs (blood, stomach).
Causes damage to organs (kidneys) through prolonged or repeated exposure

Precautionary statements (GHS US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dusts or mists.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective clothing, eye and face protection.
In case of inadequate ventilation wear respiratory protection.
If swallowed: rinse mouth. Do NOT induce vomiting.
If swallowed: Call a poison center or doctor if you feel unwell.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
Call a poison center or doctor if you feel unwell.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a poison center or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center or doctor.
If exposed or concerned: Get medical advice/attention.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Cycloaliphatic Amine*	CAS-No.: Trade Secret	≤ 100	Acute Tox. 4 (Oral), H302 STOT SE 3, H335
Aromatic Alcohol*	CAS-No.: Trade Secret	≤ 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 STOT SE 3, H336 STOT SE 3, H335 STOT RE 1, H372 Aquatic Chronic 2, H411
Alkylphenol*	CAS-No.: Trade Secret	≤ 100	Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 1, H372 Aquatic Chronic 2, H411
Organic Acid*	CAS-No.: Trade Secret	≤ 100	Acute Tox. 4 (Oral), H302 STOT SE 1, H370 STOT RE 1, H372

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. Call a physician immediately. Wash contaminated clothing before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately transport the injured person to an eye doctor / hospital. Continue rinsing with water during transport.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Harmful if inhaled. Causes damage to organs (blood, stomach) through prolonged or repeated exposure. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes severe burns.

Symptoms/effects after eye contact	:	Causes serious eye damage. Stinging, redness, itching, tears, blurred vision, swelling.
Symptoms/effects after ingestion	:	Suspected of damaging fertility or the unborn child.
Most Important Symptoms/Effects	:	Corrosive effects. Risk of irreversible damage to affected area. May cause respiratory irritation. Harmful if swallowed, in contact with skin or if inhaled.
Chronic symptoms	:	Suspected of damaging fertility or the unborn child. Causes damage to organs (kidneys) through prolonged or repeated exposure.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	:	Transfer to hospital rapidly.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Use extinguishing media appropriate for surrounding fire. Carbon dioxide (CO2), dry chemical powder, foam.
Unsuitable extinguishing media	:	Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	No fire hazard.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released. Aldehydes. Carbon dioxide. Carbon monoxide. Phenol.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Do not breathe mist, spray, vapors. Avoid contact with skin and eyes. If possible without taking personal risks, remove ignition sources. Ventilate spillage area. Prevent other non-emergency personnel from entering the danger area.

For emergency responders

Protective equipment	:	Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Evacuate unnecessary personnel. Do not touch spilled material. Stop leak if safe to do so.
Environmental precautions	:	Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment	:	Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb spilled material with sand or earth. Stop leak, if possible without risk.
Methods for cleaning up	:	Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection",For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Do not breathe mist, spray, vapors. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge.
Hygiene measures	:	Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions	:	Store in a cool, dry and well-ventilated area away from incompatible substances. Keep away from heat and direct sunlight. Store in original container.
Incompatible products	:	Alkalis. Amines. Strong acids. Strong bases. Strong oxidizers.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Acid Crete, Pox A Crete, Zip Crete, and Crack Crete

USA - AIHA - Occupational Exposure Limits

WEEL TWA	10 ppm

Aromatic Alcohol

USA - AIHA - Occupational Exposure Limits

WEEL TWA	10 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environmental exposure controls	:	Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:
Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.
Wear recommended personal protective equipment.

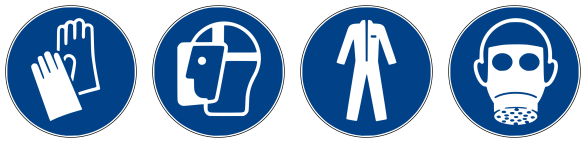
Hand protection:
Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

Eye protection:
Chemical goggles or face shield

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Color	:	Yellow
Odor	:	Amine-like
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	200 °C / 392 °F
Flash point	:	93.4 °C / 200.12 °F
Relative evaporation rate (butyl acetate=1)	:	1
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	1
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available
Particle characteristics	:	No data available

Cycloaliphatic Amine	
Particle characteristics	No data available

Aromatic Alcohol	
Particle characteristics	No data available

Alkylphenol	
Particle characteristics	No data available

Organic Acid	
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Alkalis. Amines. Strong acids, strong bases and strong oxidants.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Aldehydes. Carbon dioxide. Carbon monoxide. Phenol.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Harmful if swallowed.
Acute toxicity (dermal)	:	Harmful in contact with skin.
Acute toxicity (inhalation)	:	Inhalation:dust,mist: Harmful if inhaled.

Cycloaliphatic Amine	
LD50 oral rat	1030 mg/kg

Aromatic Alcohol	
LD50 oral rat	1230 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 Inhalation - Rat	> 4.178 mg/l

Alkylphenol	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	2290 mg/kg
LC50 Inhalation - Rat	> 5 mg/l

Organic Acid	
LD50 oral rat	891 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

Skin corrosion/irritation : Causes severe skin burns.

Aromatic Alcohol	
Additional information	Moderately irritating to rabbits on cutaneous application

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility. Suspected of damaging the unborn child.

STOT-single exposure : Causes damage to organs (blood, stomach). May cause drowsiness or dizziness.

Aromatic Alcohol	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
Alkylphenol	
STOT-single exposure	May cause respiratory irritation.
Organic Acid	
STOT-single exposure	Causes damage to organs.

STOT-repeated exposure : Causes damage to organs (kidneys) through prolonged or repeated exposure.

Aromatic Alcohol	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Alkylphenol	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Organic Acid	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Acid Crete, Pox A Crete, Zip Crete, and Crack Crete	
Viscosity, kinematic	No data available
Cycloaliphatic Amine	
Viscosity, kinematic	No data available
Aromatic Alcohol	
Viscosity, kinematic	No data available
Alkylphenol	
Viscosity, kinematic	No data available
Organic Acid	
Viscosity, kinematic	No data available

Symptoms/effects after inhalation : Harmful if inhaled. Causes damage to organs (blood, stomach) through prolonged or repeated exposure. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes severe burns.

Symptoms/effects after eye contact : Causes serious eye damage. Stinging, redness, itching, tears, blurred vision, swelling.

Symptoms/effects after ingestion : Suspected of damaging fertility or the unborn child.

Most Important Symptoms/Effects : Corrosive effects. Risk of irreversible damage to affected area. May cause respiratory irritation. Harmful if swallowed, in contact with skin or if inhaled.

Chronic symptoms	:	Suspected of damaging fertility or the unborn child. Causes damage to organs (kidneys) through prolonged or repeated exposure.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	:	Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Toxic to aquatic life with long lasting effects

Aromatic Alcohol	
LC50 - Fish [1]	10000 µg/l

Alkylphenol	
LC50 - Fish [1]	5140 µg/l
EC50 - Crustacea [1]	3900 µg/l

Organic Acid	
LC50 - Fish [1]	870 mg/l

12.2. Persistence and degradability

Acid Crete, Pox A Crete, Zip Crete, and Crack Crete	
Persistence and degradability	Not established.

Cycloaliphatic Amine	
Persistence and degradability	Not established.

Aromatic Alcohol	
Persistence and degradability	Not established.

Alkylphenol	
Persistence and degradability	Not established.

Organic Acid	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Aromatic Alcohol	
Partition coefficient n-octanol/water (Log Pow)	1.1

Alkylphenol	
Partition coefficient n-octanol/water (Log Pow)	3

Organic Acid	
Partition coefficient n-octanol/water (Log Pow)	2.25

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	:	Not classified
Fluorinated greenhouse gases	:	No

SECTION 13 Disposal considerations

Regional waste regulation	:	Disposal must be done according to official regulations.
Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	:	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	:	Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information	:	Do not re-use empty containers.
Ecological waste information	:	Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
UN2735	2735	2735
14.2. Proper Shipping Name		
Polyamines, liquid, corrosive, n.o.s. (Cycloaliphatic amine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Cycloaliphatic amine)	Polyamines, liquid, corrosive, n.o.s. (Cycloaliphatic amine)
14.3. Transport hazard class(es)		
8	8	8
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
	Marine pollutant: Yes	
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT)	:	UN2735
DOT Packaging Exceptions (49 CFR 173.xxx)	:	154
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	52 - Stow "separated from" acids

IMDG

Special provision (IMDG)	:	223, 274
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
Packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T7

Tank special provisions (IMDG)	:	TP1, TP28
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	:	A
Segregation (IMDG)	:	SGG18, SG35
Properties and observations (IMDG)	:	Colorless to yellowish liquids or solutions with a pungent odor. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
ERG code (IATA)	:	8L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Cycloaliphatic Amine	CAS-No.	≤ 100%
Aromatic Alcohol	CAS-No.	≤ 100%
Alkylphenol	CAS-No.	≤ 100%
Organic Acid	CAS-No.	≤ 100%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Acid Crete, Pox A Crete, Zip Crete, and Crack Crete

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Issue date : 2/25/2025

Full text of hazard classes and H-statements	
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.