



Safety Data Sheet

Issuing Date: July 27, 2020

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Revision number 2

1. Identification of the Substance/Preparation and the Company Undertaking

GHS Product Identifier

Product Name "Zinc Stick" Corrosion Inhibiting Patching Compound

Other Means of Identification

Part Number

Formula Code SKM-ZS-1

Synonyms corrosion inhibiting patch stick

Recommended use of the chemical and restrictions on use

Recommended Use Repair scrapes and cracks in galvanized coating or painted metal

Uses Advised Against Use in accordance with manufacturer's recommendations

Supplier's Details

Supplier Address

SKM Industries Inc.
1012 Underwood Road / Box 278
Olyphant, Pa 18447
Telephone: 570-383-3062
Fax: 570-383-9482

Emergency Telephone Number

Chemtrec US & Canada 1-800-424-9300

2. HAZARDS IDENTIFICATION

Physical hazards: Not classified
Health Hazards: Not classified
OSHA defined hazards: not classified
Hazard statement (GHS-US): None known
Precautionary Statements
Prevention: Read instructions before use
P102 – Keep out of reach of children
P101 – If medical advice is needed, have product container or label at hand.
P260- Do not breath dust/fume
P262 – Do not get in eyes, on skin, or on clothing.
P264- Wash thoroughly after handling
P280- Wear prCheotective gloves, clothing, eye protection, face protection

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	% w/w	
Acrylic polymer	n/a	50 – 75	None
Titanium Dioxide	13463-67-7	1-15	None
Propylene Glycol	57-55-6	4 – 15	GHS 03, H270
Limestone	1317-65-3	1 – 5	None
2-Dimethylethanolamine	108-01-0	0.1 – 1.0	Flam. Liq. 3, H226; Acute Tox. 3, H331; Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335; Aquatic Tox. A3, H402

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice	In case of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	May cause irritation to the upper respiratory tract. Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice
Eye Contact	Remove contact lenses. Irrigate copiously with clean, fresh water for at least ten minutes, holding the eyes apart, and seek medical advice.
Skin Contact	May cause irritation and skin burns. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvent or thinners.
Ingestion	Harmful if swallowed. If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: Fire-fighting water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products: This material is not flammable; however, if involved in a fire, it may emit toxic fumes including: ammonia, and oxides of boron, carbon, nitrogen and phosphorous.

Special protective actions for fire-fighters: No special measures are required.

Special protective equipment for fire-fighters: As part of responding to any fire, firefighters should wear a full turnout gear with a positive pressure demand mode Self-Contained Breathing Apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes, skin and clothes. Wear appropriate protective respirator. Put on appropriate personal protective equipment (See Section 8). Keep unprotected people away.

Environmental precautions:

Prevent further leakage or spillage and avoid dispersal of spilled material. Do not let product enter drains and sewers, waterways, and avoid contact with soil. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Containment techniques: Stop the leak, remove sources of ignition, and keep the space involved well ventilated. Limit foot and vehicular traffic to minimize mechanical agitation and dispersion. Diked Containment areas should be used for bulk quantities of this material. If recovery is not feasible, use an appropriate non-reactive absorbent material to contain and remove spilled product. Transfer used absorbent material to an appropriate container for future disposal. Notify In-plant Spill Response Coordinator or appropriate party to determine any additional requirements pertaining to spill response.

Cleanup and Disposal of Spill: While wearing the proper personal protection (See Section 8), use a wet mop and broom, absorbent, and/or wet/dry vacuum with an explosion proof motor to collect spill material and place in a designated, labeled waste container. **Note:** see Section 13 for waste disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling:

Protective measures: Ensure proper ventilation. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. The product forms flammable fumes upon heating, so keep ignition sources away and avoid static discharges.

Advise on general hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene.

Conditions for safe storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area (10°- 60°C), away from incompatible materials (see Section 10) and foodstuffs. Keep container tightly closed and sealed until ready for use. Protect from freezing. Care should be taken in storage and handling in order to prevent damage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls Provide adequate ventilation. Where reasonably practical, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of solvent vapour and/or particulates below the relevant occupational Exposure Limit Values, suitable respiratory protection must be worn.

Exposure Limit Values Components with critical values that require monitoring in the workplace.

Substance	STD	TWA ⁽¹⁾		STEL ⁽²⁾	
		Ppm	mg.m ⁻³ (4)	Ppm	mg.m ⁻³ (4)
Limestone			5 (OEL)		

Titanium Dioxide			15 (OEL)		
2-Dimethylethanolamine			Not established		Not established

WEL = Workplace exposure limit

(1) Long term exposure limit – 8 hour time weighted average.

(2) Short term exposure limit – 15 minute reference period.

Occupational Exposure Controls

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Respiratory Protection. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full face, supplied air or self-contained breathing apparatus (SCBA) may be necessary. If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a self-contained breathing apparatus (SCBA) may be necessary. Use an approved NIOSH/OSHA respirator if dry sanded. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hand Protection. Wear protective gloves

Eye Protection. Eye protection designed to protect against liquid splashes should be worn.

Skin Protection. Wear protective gloves

Hygienic Practices. Remove and wash contaminated clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Semi-solid
Form: White paste
Color: White/grey/silver/antique white
Odor: Low to no odor
Odor Threshold: N/A
pH: 8.0-10.0
Melting/Freezing Point: Not Applicable/0 degrees C
Initial Boiling Point and range: 100 degrees C
Flash Point: Non Flammable
Evaporation Point: Non Flammable
Flammability: Non Flammable
Upper/Lower Flammability or explosive limits: Non Flammable

Vapor Pressure: 24mm Hg
Vapor Density: <1 same as water
Specific Gravity: 0.75 – 1.3
Vapour density: n/a
Lower explosion limit: n/a
Solubility in water: Soluble in water
Auto Ignition temp.: Not Applicable

10. STABILITY AND REACTIVITY

Reactivity: This product is stable and non-reactive under normal storage and handling conditions. Do not breathe dust. Avoid dust formation in confined areas.

Chemical Stability: Material is stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous Polymerization does not occur

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous Decomposition: Above 800 degrees C limestone (CaCO₃) can decompose to lime (CaO) and release carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

Mixture data relevant for classification:

Inhalation Toxicity 2-Dimethylethanolamine Inhalation LC50 60 mg/l (ATE)

Component data relevant for classification:

2-Dimethylethanolamine	CAS # 108-01-0	Oral LD50 Dermal LD50 Inhalation LC50/4h	1,187 mg/kg (rat) 1,220 mg/kg (rabbit) 6.1 mg/l (rat)
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Sensitization: No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Specific target organ toxicity (single exposure): 2-Dimethylethanolamine CAS # 108-01-0 is identified as a STOT SE 3 (inhalation), may result in respiratory irritation.

Specific target organ toxicity (repeated exposure): No data available.

Aspiration hazard: No data available.

Information on likely routes of exposure and potential effects:

Dermal contact: Caustic effect on skin.

Eye contact: Corrosive.
Inhalation: Irritant.
Ingestion: Toxic.

Germ cell mutagenicity: No data available.

Reproductive toxicity: No data available.

12. ECOLOGICAL INFORMATION

Toxicity:

Component data relevant for classification:

2-Dimethylethanolamine	CAS # 108-01-0	EC50/48 h EC50/72 h LC50/96 h	98.63 mg/l (water flea) 66.08 mg/l (algae) 146.63 mg/l (fish)
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General Note: Readily biodegradable. Product shows low bioaccumulation potential.

The product should not be allowed to enter drains or water courses or to be deposited where it can affect ground or surface waters.

13. DISPOSAL CONSIDERATIONS

Adequate Disposal

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including empty containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act and The Environmental Protection Act.

14. TRANSPORT INFORMATION

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure persons transporting the product know what to do in the event of an accident or spillage.

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

2-Dimethylethanolamine:

This material is defined as a mixture and all components of this product are listed on (or exempt from) the following inventories:

Australian Inventory of Chemical Substances (AICS)
Canadian Domestic Substances List (DSL)
Chinese Chemical Inventory of Existing Chemical Substances (IECSC)
European Inventory of Existing Commercial Chemical Substances (EINECS)
Japanese Existing and New Chemical Substances (ENCS)

Korean Existing Chemicals List (KECL)
New Zealand Hazardous Substances and New Organisms Act (HSNO)
Philippine Inventory of Chemicals and Chemical Substances (PICCS)
United States Toxic Substances Control Act (TSCA) Inventory

CERCLA Hazardous Substances and corresponding RQs:

None of the components of this mixture are listed.

SARA 302 Components:

None of the components of this mixture have a TPQ.

16. OTHER INFORMATION

Text of the H phrases listed in Section 2

H Phrase No.	Text
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P102	– Keep out of reach of children
P101	– If medical advice is needed, have product container or label at hand.
P260	- Do not breath dust/fume
P262	– Do not get in eyes, on skin, or on clothing.
P264	- Wash thoroughly after handling
P280	- Wear protective gloves, clothing, eye protection, face protection

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and on current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and advice can be found in:

The Control of Substances Hazardous to Health Regulations 2002[SI2002:2677], The Stationery Office
COSHH Essentials: easy steps to control chemicals [HSG 193], HSE Books. Details of Control
Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this
publication.

The Manual Handling Operations Regulations 1992 [SI 1992:2793], The Stationery Office
Chemical Warehousing: Storage of Flammable Liquids in Containers [HSG51], HSE Books
Storage of Packaged Dangerous Substances [HSG71], HSE Books

The Environmental Protection (Duty of Care) Regulations 1992 [SI 1992:2839], The Stationery Office
A Guide to Working with Solvents [INDG 272], HSE Books

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparation Directive 1999/45/EC. Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of chemicals (REACH) establishing a European Chemical Agency, amending directives 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC including amendments. Classification, labelling of packaging of mixtures 1272/2008EC.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of 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