The following SDS references the products below:

Silicone Heat Transfer Compound

Vendor Item Number: 49463WH04

Manufactured By:

Dynatex a Division of Soudal Accumetric

Distributed by Kimball Midwest with the KM product-identification number:

80-601

Dynatex Heat Transfer Compound

Safety Data Sheet

Dynatex Heat Transfer Compound

Safety Data Sheet

Issue Date: 10/08/2024 Supercedes: 06/05/2018 Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Trade name : Dynatex Heat Transfer Compound

Reference number : 143515, 143136

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Consumer use/Professional use

Use of the substance/mixture : Lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701 (270)
769-3385

technical@soudalaccumetric.com www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.2. Label elements

GHS classification in accordance with the OSHA Hazard communication Standard (29 CFR 1910.1200)

Hazard pictograms (CLP):

Signal word (CLP) : None needed

Contains :

Hazard Statements : Not a hazardous substance or mixture.

Precautionary Statements : Use only outdoors or in a well-ventilated area.

2.3. Other hazards

No data available.

SECTION 3: Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Zinc Oxide	CAS-No.: 1314-13-2	70 – 80
Other components below reportable levels	CAS-No.: non-hazardous	20 - 30

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : First responders should pay attention to self-protection and used recommended clothing (chemical resistant gloves and splash protection). If potential for exposure exists, refer to section 8 for specific PPE.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after 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.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Do not induce vomiting unless directed to do so by medical personnel.

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

Symptoms/effects after skin contact : Skin contact may aggravate existing dermatitis. Brief contact may cause slight skin irritation with local redness. May cause drying and flaking of the skin.

Symptoms/effects after eye contact : May cause slight eye irritation. May cause mild discomfort.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Alcohol-resistant Foam. Carbon dioxide. Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Carbon oxides. Silicon oxides

Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health.

5.3. Advice for firefighters

Fire Fighting Procedures: Use water spray to cool unopened containers. Evacuate area. Collect contaminated fire extinguishing water separately. Do not discharge into drains. Fire residues and contaminated fire extinguisher water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.1.2. For emergency responders

Protective equipment

Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.2. Environmental precautions

Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You need to determine which regulations are applicable. For large spills, provide diking and other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Do not swallow. Avoid prolonged or repeated contact with skin. Take care to prevent spills, waste, and minimize release to the environment.
Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Keep in properly labelled containers. Store in accordance with local, regional, and national regulations.

Incompatible products : Strong oxidizing agents

Unsuitable materials for containers : None known

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Zinc Oxide (1314-13-2)	
OSHA (PEL)	5 mg/m³ fume (respirable fraction); 15 mg/m³ Total Dust
ACGIH (STEL)	10 mg/m³ (respirable fraction)
ACGIH (TWA)	2 mg/m³ (respirable fraction)
NIOSH (STEL)	10 mg/m³ fume
NIOSH (TWA)	5 mg/m³ dust; 5 mg/m³ fume

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

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8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses (w/ side shields)

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing
Hand protection:
Use gloves chemically resistant to this material. Chlorinated polyethylene, neoprene, nitrile/butadiene rubber, polyethylene, ethyl vinyl alcohol laminate, polyvinyl chloride, Viton, polyvinyl alcohol, and butyl rubber. NOTICE: The selection of proper gloves for a particular application and duration of use in workplace should also take into account all relevant workplace factors such as, but no limited to: other chemicals which may be handled, physical requirements (cut/puncture resistant, dexterity thermal protection), potential body reactions to glove materials, as well as instructions/specifications provided by the glove supplier.

8.2.2.3. Respiratory protection

Respiratory protection:
Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or were indicated by your risk assessment process. For emergency conditions, use an approved positive-pressure selfcontained breathing apparatus. The following types of air-purifying respirators should be effective: Organic vapor cartridge.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Color	:	White

Appearance	:	Powder
Odor	:	Not available
Odor threshold	:	Not available
Melting point	:	3587°C (1975°C) estimated
Freezing point	:	3587°C (1975°C) estimated
Boiling point	:	Not available
Flammability	:	Not available
Explosive properties	:	Not available
Explosive limits	:	Not available
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	Not available
Solubility	:	Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapor pressure	:	Not available
Vapor pressure at 50 °C	:	Not available
Density	:	4.41 estimated
Relative density	:	4.41
Relative vapor density at 20 °C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 0%

9.2.2. Other safety characteristics

VOC content : 0 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Material is 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

Contact with incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Formaldehyde

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity (oral) Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. As product single does LD50 has not been determined.

Based on information from component(s):
: LD50 >5,000 mg/kg Estimated

Acute toxicity (dermal) : Prolonged skin contact is unlikely to result in absorption of harmful amounts. As a product the dermal LD50 has not been determined.
Based on information for the component(s): LD50 > 2,000 mg/kg Estimated

Acute toxicity (inhalation) : Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material may cause respiratory irritation. As product: The LC 50 has not been determined.

Skin Corrosion/Irritation

Based on information for the component(s):
Prolonged exposure not likely to cause significant skin irritation.
May cause drying and flaking of the skin.

Serious eye damage/eye irritation

Based on information for the component(s):
May cause slight temporary eye irritation.
May cause mild eye discomfort.

Sensitization

For skin sensitization:
Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

For respiratory sensitization:
No relevant information found.

Specific Target Organ Systemic Toxicity – Single Exposure

Evaluation of the available data suggests that this material is not a STOT-SE toxicant.

Specific Target Organ systemic Toxicity – Repeated Exposure

Based on available data for the component(s), repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenic

No relevant data found

Teratogenicity

Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.

Reproductive Toxicity

Contains component(s) which did not interfere with reproduction in animal studies.

Mutagenicity

In vitro genetic toxicity studies were negative for component(s) tested. Genetic toxicity studies in animals were negative for component(s) tested.

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulation Potential
No data available

12.4 Mobility in Soil
No data available

SECTION 13: Disposal
13.1. Waste treatment methods
We make no guarantee or warranty of any kind that the use of disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

SECTION 14: Transport Information

UN Number:	UN3077
UN Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s. (Zinc Oxide)
DOT Classification:	9
Packing Group:	III
Environmental hazards	Yes
ERG Code	9L
Other information	Passenger and cargo aircraft: Allowed with restrictions
	Cargo Aircraft only: Allowed with restrictions

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. US Federal Regulations
TSCA
All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

SARA 311 and 312: No SARA hazards.

SARA 313:

Zinc Compounds	1314-13-2	70-80%

15.1.2. US State Regulations
Pennsylvania Right to Know
The following chemicals are listed because of the additional requirements for Pennsylvania law:

Components	CAS Number
Zinc Oxide	1314-13-2

California Prop 65: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information do to www.P65Warnings.ca.gov.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information
Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material of the results to be obtained from the use thereof.