

SAFETY DATA SHEET

SDS Name: Kapp HotDam™ Compound

SDS Number: 560

GHS SDS Date: 01/01/2025

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SECTION I: PRODUCT AND COMPANY INFORMATION

Product Name: Kapp HotDam™ Compound for Damming, Molding, & Positioning for Babbitt/Solder applications.

CAS Number:

Component	CAS Number	Component	CAS Number
Binder Base*	Mixture	Kaolin	1332-58-7
Crystalline Silica	None	Titanium Dioxide	13463-67-7
Glass Fiber	65997-17-3		

* Binder not considered to be hazardous according to regulatory guidelines

Company Identification: Kapp Alloy and Wire, 1 Klein Street / PO Box 1188, Oil City, PA 16301 USA

Contact: Telephone: 814-676-0613 or 1-800-327-6533, Email: info@kappalloy.com**SECTION II: HAZARD INFORMATION****Classification of the mixture according to Regulation (EC) No. 1272/2008****GHS Classification:**

Carcinogenicity, 1A

Skin Irritation, 2

Eye Irritation, 2B



GHS07 Skin Irritation 2, Eye Irritation 2B

H302 – Harmful if swallowed.

H315 – May cause skin irritation.

H320 – May cause Eye Irritation.



GHS08 Health Hazard

H333 - May be harmful if inhaled (respiratory dust, see NOTE below)

H335 - May cause respiratory irritation (heated vapors).

Label Elements**Labelling according to Regulation (EC) No. 1272/2008**

Hazard Pictograms:



GHS07



GHS08

Signal Word: **WARNING**

Hazard-determining components of labelling:

Crystalline Silica, Glass Fiber

Hazard Statements:

H302 – Harmful if swallowed.

H315 – May cause skin irritation.

H320 – May cause Eye Irritation.

H333 - May be harmful if inhaled (respiratory dust, see NOTE below)

H335 - May cause respiratory irritation (heated vapors).

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Precautionary Statements:

- P261 Avoid breathing dust and (heated) vapors
- P262 Do not get in eyes, on skin, or on clothing
- P281 Use personal protective equipment as required
- P302/P352 If on skin: Wash with plenty of soap and water
- P333/P313 If skin irritation or rash develops: Get medical attention.
- P305/P351/P338 If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue Rinsing.
- P337/P313 If eye irritation persists: Get medical attention
- P301/P330/P331 If swallowed: Rinse mouth do not induce vomiting
- P301/P310 If swallowed: Immediately call a poison center or physician.
- P285 In case of inadequate ventilation wear respiratory protection
- P342/P311 If experiencing respiratory symptoms: Get medical attention.
- P402/404 Store in a dry place, store in a closed container.
- P501 Dispose of observing all Federal, State and Local regulations.

NOTE: THIS PRODUCT IN ITS PURCHASED FORM DOES NOT PRESENT AN INHALATION HAZARD FROM FIBERS OR DUST, AS IT IS A PUTTY-LIKE COMPOUND, FIBERS AND DUST ARE NOT AIRBORN UNDER NORMAL HANDLING.

Other hazards:

PBT: Does not meet criteria for persistent – bio cumulative – toxic.

vPvB: Does not meet criteria for very persistent – very bio cumulative.

SECTION III: COMPOSITION / INGREDIENTS

*(Hazardous components 1% or greater; Carcinogens 0.1% or greater)

Component	CAS Number	% By Weight	ACGIH (TLV)	OSHA (PEL)
Binder Base* (when mist can occur)	Mixture	20 - 50	5mg/m3	5mg/m3
Crystalline Silica Cristobalite Tridymite Quartz	None	2.5 - 7.5	0.05 mg/m3 (respirable) 0.05 mg/m3 (respirable) 0.10 mg/m3 (respirable)	0.025 mg/m3 (respirable) 0.025 mg/m3 (respirable)
Glass Fiber**	65997-17-3	1 – 20	5.00 mg/m3 –inhalable 1 f/cc respirable	15 mg/m3 total dust 5 mg/m3 respirable
Kaolin	1332-58-7	20 – 50	2 mg/m3 (resp. fraction)	5 mg/m3 (resp. fraction)
Titanium Dioxide	13463-67-7	< 1	10mg/m3 TWA	15mg/m3

* Binder not considered to be hazardous according to regulatory guidelines

** Glass fibers in this product are larger than 3.5 microns and are not considered respirable, and if breathed would not enter the lungs.

Remaining ingredients, if any, are non-hazardous and considered to be a trade secret.

NA = Not Applicable NE = Not Established NAIF = No Applicable Information Found

SECTION IV: FIRST AID MEASURES

IF IN EYES: Flush with water for at least 15 minutes to remove irritant. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, consult a physician.

IF INHALED: Not likely under normal conditions of use. If using in high temperature applications where thermal decomposition is likely, use local exhaust to remove fumes from work spaces. Terminate exposure and remove to fresh air. If symptoms persist, dizziness or irritation, seek medical attention.

IF ON SKIN: Wash thoroughly with soap and water to remove any residue. If a rash develops, call a physician.

IF SWALLOWED: DO NOT INGEST. Oral toxicity not determined. Do not induce vomiting. This product contains a petroleum fluid. The fluid may be aspirated into the lungs. Call a physician or get medical help immediately. Ingestion is not likely to occur in normal use.

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SECTION V: FIRE FIGHTING MEASURES

Flash point & Methods Used:	N/A
Auto Ignition Temperature:	N/A
Flammability Limits:	(in air, % by volume) LEL: N/A and UEL: N/A
Extinguisher Media:	Water fog, Dry Chemical, Carbon Dioxide, or Foam.
Special Fire Fighting Procedures	Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. (Professionally Trained Personnel).
Hazardous Products Formed by Fire or Thermal Decomposition:	Oxides of carbon, aldehydes, sulfur oxides, fume, smoke, incomplete combustion products.
Unusual Fire and Explosion Hazards	Water stream may splash burning liquid and spread fire.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is spilled or released:

Wear proper personal protective equipment. Remove any sources of ignition from the area and allow hot surfaces to cool. Return uncontaminated material to metal or plastic container and seal container tightly. Dispose of contaminated material or waste.

SECTION VII: HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Storage: Cool, dry, storage. Store in closed containers.

Handling: Avoid contact with skin and eyes. Do not breathe heated vapors. This product in its purchased form does not create an inhalation hazard from fibers or dust. If grinding or sanding or any other process is performed to this compound will cause airborne particles wear appropriate respirator to avoid breathing any dust or vapors. Wear appropriate safety gear as required in work area.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear protective gloves of Nitrile Rubber or Natural Rubber to protect hands and wrists.

Respiratory Protection: NIOSH approved for organic vapors and dust, if product is heated or if dust is airborne.

Eye Protection: Chemical tight safety goggles, face shield.

Ventilation: Maintain air flow away from user to remove all fumes and vapors, so that the PEL is never exceeded. Local exhaust if poorly ventilated area or in confined spaces. (if heated) Adhere to Environmental regulations for exhausts. Conform to applicable regulatory statutes.

Other: Full protective equipment normally used in soldering (applicable) operations so as to prevent any contact. Review operations to avoid contact with hazardous gas, liquids or solids.

See also: 29 CFR 1910.132 - 29 CFR 1910.140. *Personal Protective Equipment*
29 CFR 1910.251 - 29 CFR 1910.257. *Welding, Cutting and Brazing*

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray putty-like compound	Odor:	Faint Odor
Physical State:	Putty-like	pH:	NA
Vapor Pressure:	NA	Vapor Density:	NA
Boiling Point:	NA	Melting Point:	NA
Solubility (H2O):	NIL	Specific Gravity:	1.6 (Water = 1)
Evaporation Rate:	NA	VOC:	NONE

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Percent Volatile:	0	Octanol/H2O Coeff.:	ND
Flash Point:	>540°F (>282°C)	Flash Point Method:	Cleveland Open Cup
Upper Flammability Limit (UFL):	ND	Lower Flammability Limit (LFL):	ND
Burning Rate:	ND	Auto Ignition:	ND

Use: General purpose damming putty for pouring Babbitt and filler metals.**SECTION X: STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	None
Incompatibility (materials to avoid):	Strong Acids, strong oxidizers
Hazardous Decomposition Products:	Oxides of carbon, aldehydes, sulfur oxides, fume, smoke, incomplete combustion products.

SECTION XI: TOXICOLOGY INFORMATION

Primary Routes of Entry:	Inhalation and contact.
Signs and Symptoms of Overexposure:	Inhalation: respiratory irritation. Eyes: Redness and irritation. Skin: Chemical dermatitis, redness and itching.

Existing Conditions Aggravated by Exposure: Pre-existing skin condition if prolonged exposure to skin. (Wear chemical resistant gloves) Respiratory disorders, asthma, chronic emphysema (if prolonged and continuous exposure to dust or vapors). Dust exposure is not a hazard with this product under normal use. Product is in a putty-like form. (Organic vapors, Wear recommended respirator if exceeding permissible exposure limit, see section 8)

Carcinogenicity

NTP:	Crystalline Silica (respirable size) Known to be a Carcinogen
IARC:	Crystalline Silica, Group 1 IARC Glass Fiber, Group 3 IARC (Not classifiable as to its carcinogenicity to humans) Titanium Dioxide, Group 2B IARC

OSHA Regulated: NO

Toxicity : Mixture, Not Determined

Acute Health Hazards: **Skin:** Contact on bare skin can cause chemical dermatitis, redness, itching
Inhalation: Irritation if breathing heated vapors.
Chronic Health Hazards: Inhalation: Crystalline Silica, respirable size NTP known carcinogen.
Titanium Dioxide, possible carcinogen (inhalation) (See NOTE Below)

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SECTION XII: ECOLOGY INFORMATION

Not expected to be harmful to aquatic organisms.

SECTION XIII: DISPOSAL CONSIDERATION

Recommended Methods of Disposal:
RCRA 40 CFR 261 Classification : This product as purchased does not fall under current US EPA RCRA definitions of Hazardous Waste.
Certain state regulations could affect whether a material is considered a hazardous waste upon disposal. It must also be noted that a material can become a hazardous waste if it is mixed with or comes in contact with a hazardous substance during use. Under RCRA it is the responsibility of user of a product to determine at the time of

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disposal, whether a material should be classified as a hazardous waste.

SECTION XIV: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION

Ground - DOT Proper Shipping Name: Solid
Not regulated for transport by US DOT.**Air - IATA Proper Shipping Name: Solid**
Not regulated for air transport by IATA.**Sea – International Maritime Organization (IMO/IMDG): Proper Shipping Name: Non-Dangerous Solid**
Not regulated for transport by IMDG.**SECTION XV: REGULATORY INFORMATION****CERCLA HAZARDOUS SUBSTANCES (40 CFR Part 302.4):** This product is not reportable under 40 CFR Part 302.4.**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355):** This product does not contain any SARA 302 Extremely Hazardous Substances.**SARA TITLE III SECTION 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370):** Certain ingredients of this product are regulated under Sara Title III Section 311/312, see section 3 of this SDS.**SARA TITLE III SECTION 313 (40 CFR Part 372):** None**U.S. INVENTORY (TSCA):** Any chemical substances (as defined in 40 CFR Part 710.2), that are contained in, or used in the manufacture of this product, are reported in the EPA TSCA Inventory. (As required per 40 CFR 710.3)**CALIFORNIA PROPOSITION 65:** This product can expose you to chemicals including Crystalline Silica, Titanium Dioxide (airborne particles of respirable size) does not cover titanium dioxide when It is bound within a product matrix. These products are known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.**CANADA WHMIS:** Ingredient Disclosure List: Titanium Dioxide, Crystalline Silica, quartz -- Crystalline Silica, Tridymite – Crystalline Silica, Cristobalite

WHMIS Classification Titanium Dioxide: D2A , Crystalline Silica, quartz:, D2A

EUROPEAN UNION: Titanium Dioxide: CLP Acute Tox 4, Carc. 2, Crystalline Silica: CLP Carc.1A

Glass Fibers: CLP Eye Irritant 2, Skin Irritant. 2, STOT SE3, Kaolin: CLP STOT SE3

OZONE DEPLETERS: * This product is not manufactured with or contains any Class I or Class II Ozone Depleting Chemicals. (ODC's)

NOTE: THIS PRODUCT IN ITS PURCHASED FORM DOES NOT PRESENT AN INHALATION HAZARD FROM FIBERS OR DUST AS IT IS A PUTTY-LIKE COMPOUND. FIBERS AND DUST ARE NOT AIRBORN UNDER NORMAL HANDLING.

SECTION XVI: OTHER INFORMATION

This information must be included in all SDS that are copied and distributed for this material.

GOOD HOUSEKEEPING PROCEDURES SHOULD BE MAINTAINED.

PERSONNEL SHOULD WASH THOROUGHLY BEFORE SMOKING OR EATING.

FOOD AND DRINK SHOULD NOT BE CONSUMED, TOBACCO PRODUCTS USED, OR COSMETICS APPLIED IN AREAS WHERE EXPOSURES EXIST.

Key/Legend

NA - Not Applicable

ND - Not Determined

TLV - Threshold Limit Value

TWA - Time Weighted Average

NTP - National Toxicology Program

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

STEL - Short Term Exposure Limit

IARC - International Agency for Research on Cancer

Please retain this sheet for your files. Kapp Alloy maintains a file of Safety Data Sheets (SDS) for each alloy and mixture produced in compliance with Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) & various right-to-know laws.

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to Kapp Alloy and Wire, Inc. at the time of issue. It is our policy to include an SDS with initial orders for each product. This submission is to become a matter of record and need not accompany subsequent shipments for the same product to the same customer. The information contained on this sheet is intended solely for employee health and safety education and not for contract specification purposes. No warranty, guarantee, or representation is made by Kapp Alloy and Wire, Inc., nor does Kapp Alloy and Wire, Inc. assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. Should you need additional information, contact us.