

kwikSTIK[®] Paper Faced Metal Drywall Beads and Trims

Revised Date: 9/30/09

Phillips Manufacturing's paper faced metal products are finished products (articles)
Vendors have provided the below information.

Section 1. Product and Company Identification

Product Name: Paper Faced Metal Accessories
Trade Mark: Phillips kwikSTIK[®]
Chemical Name: Structural Assembly Article of Steel, Paper and Adhesive
Product Use: Drywall Trim Accessories

Manufacturer Name: Phillips Manufacturing Co.
Address: 4949 S. 30th Street
Omaha NE, 68107
Phone Number: (402) 339-3800

Section 2. Composition/Information on Regulated Ingredients

Components	CAS-No.	Percentage by wt.	OSHA PEL	ACGIH TLV
Steel (Galvanized and treated) >80% of total article by weight	~	>80%	~	~
Iron (limits as iron oxide fume)	7439-89-6	95%-99%	10mg/M ³	10mg/M ³
Manganese (limits as respirable nuisance dust)	7439-96-5	<0.6%	5mg/M ³	5mg/M ³
Silicon (limits as respirable nuisance dust)	7440-21-3	<0.08%	5mg/M ³	5mg/M ³
Chrome	7440-47-3	<0.1%	0.5mg/M ³	0.5mg/M ³
Nickel	7440-02-0	<0.15%	1mg/M ³	1mg/M ³
Zinc coating (limits as zinc oxide fume)	7440-66-6	<5.0%	0.5mg/M ³	0.5mg/M ³
Paper proprietary formula: Gypsum Bond Base <15% of total article by weight (Bleached Kraft Cellulose fiber & proprietary ingredients. ". . .No know hazards. . ." – per paper manufacturer's MSDS.	~	<15%	~	~
Hot Melt adhesive <6% of total article by weight "unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list. . ." – per adhesive manufacture's MSDS	~	<6%	~	~

Section 3. Hazards Identification

Emergency Overview

The components of this article do not normally present an inhalation, ingestion, or skin contact hazard. However, operations such as sawing, grinding, sanding, welding or burning can possibly result in the release of airborne respirable particles. Any of these operations should be performed in well-ventilated areas. Incomplete combustion can produce H₂O, CO₂, CO, low molecular weight hydrocarbons and nitrogen compounds.

Potential Health Effects

Routes of Exposure: Inhalation, Ingestion, Skin contact

Acute Exposure

Inhalation: Can be mechanically irritating like other inert materials.

Fumes released by excessive temperatures (from welding or burning) may cause a condition known as metal fume fever.

Ingestion: May be harmful if swallowed

Eyes: Particles like other inert materials are mechanically irritating to eyes

Skin: Experience shows no unusual dermatitis hazard from routine handling

Carcinogenicity: The International Agency for Research on Cancer (IARC), The National Toxicology Program (NTP), and OSHA do not list steel products as carcinogens. IARC identifies welding fumes as a Group 2B carcinogen, a mixture that is possibly carcinogenic to humans.

Medical Conditions Aggravated by Long-Term Exposure: Individuals with chronic respiratory disorders (i.e., asthma, chronic bronchitis, emphysema, etc.) may be adversely affected by any fume or airborne particulate matter exposure.

Section 4. First Aid Measures

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion: Not a probable route of industrial exposure. However, if ingested, seek medical attention immediately.

Eyes: Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. If eye irritation persists, seek medical attention.

Skin: Wash off with soap and plenty of water. If skin irritation persists seek medical attention. If mechanical abrasion has occurred, seek medical attention.

Section 5. Fire-Fighting Measures

Flash Point: Paper 451°F

Flammable Limits

Upper Explosion Limits: Not applicable.

Lower Explosion Limits: Not applicable.

Auto Ignition Temperature: Not applicable.

Suitable Extinguisher Media: Carbon dioxide, dry chemical, water spray, foam or other method appropriate for surrounding materials.

Special Fire-Fighting Procedures: Full-face self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards: Incomplete combustion can produce H₂O, C₂O, CO, low molecular weight hydrocarbons and nitrogen compounds. At extreme temperatures, molten steel falling into water may result in an explosion. Other hazardous materials and smoke are all possible.

Section 6. Accidental Release Measures

Spill/Leak Procedures: Not applicable to metal in solid state. For spills involving finely divided particles, personnel should be protected against contact with eyes and skin. If material is in a dry state, avoid inhalation of dust. Fine, dry material should be removed by vacuuming or wet sweeping methods to prevent spreading of dust. Avoid using compressed air. Do not release into sewers or waterways. Collect material in appropriate containers for recovery or disposal in accordance with federal, state and local regulations.

Section 7. Handling and Storage

Handling: Use gloves and careful handling to avoid being cut on sharp edges of paper or steel. Wear safety glasses to reduce the potential for eye contact. If performing an abrasive or welding procedure, utilize proper ventilation; and a NIOSH/MSHA approved respirator if conditions warrant.

Storage: Store away from acids and incompatible materials.

Section 8. Exposure Controls/Personal Protection

Respiratory Protection: No personal respiratory protective equipment normally required. If performing an abrasive or welding procedure and conditions warrant, use a NIOSH/MSHA approved respirator.

Eye / Face Protection: Safety glasses with side shields.

Hand Protection: Abrasion/cut resistant gloves.

Additional Protective Measures: Safety shoes.

.....

Section 9. Physical and Chemical Property

Form: Solid
Appearance: Metallic gray formed steel core with off-white paper surface.
Color: White/Beige
Odor: Odorless
Melting Point: Steel 1375°C
Boiling Point: Steel 3000°C
pH: Not Applicable

Water Solubility: Insoluble
Evaporation Rate: Not applicable
Specific Gravity: >1
Bulk Density: Not Established
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable

Section 10. Stability and Reaction

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Storage with strong acids.
Incompatible Materials: Incompatible with strong acids. Contact with the article's Zinc coating may produce Hydrogen gas.
Hazardous Decomposition: Carbon dioxide (CO₂), Carbon monoxide (CO), nitrogen compounds, other hazardous materials and smoke are possible.

Section 11. Toxicological Information

No information is available for the product as a mixture.

Eye Effects: Eye contact with the individual components may cause particulate irritation. Implantation of iron particles in guinea pig corneas have resulted in rust rings with corneal softening about rust ring.
Skin Effects: Skin contact with the individual dust components may cause physical abrasion, irritation, dermatitis, and sensitization.
Acute Inhalation Effects: Inhalation of the individual alloy components has been shown to cause various respiratory effects.
Acute Oral Effects: No data available
Other: No LC₅₀ or LD₅₀ has been established for the mixture as a whole.
Iron LD₅₀: 30 g/kg oral (rat); Manganese LD₅₀: 9 g/kg oral (rat); Silicon LD₅₀: 3160 mg/kg oral (rat).

Section 12. Ecological Information

Persistence and Degradability: Not readily biodegradable.
Environmental Toxicity: Adverse ecological impact is not known or expected under normal use.
Bioaccumulation: No data available.
Additional Advice: Not applicable.

Section 13. Disposal Considerations

Product: Where possible recycling is preferred to disposal or incineration. This product is not classified as a hazardous waste under 40 CFR 261. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Section 14. Transport Information

U.S. Dot Classification: Not regulated for transportation.
ICAO/IATA (air): Not regulated for transportation.
IMO / IMDG (maritime): Not regulated for transportation.

Section 15. Regulatory Information

US Regulations: Classified as hazardous based on components.

TSCA Status: All components of this product are listed on or exempt from the TSCA inventory.

U.S. EPA CERCLA Hazardous Substance (40CFR302): Not applicable.

SARA Title III Section 302 Extremely Hazardous substance: Not applicable.

Sara Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-No.	Weight %
Manganese	7439-96-58	<0.6
Nickel	7440-02-0	<0.15
Chrome	7440-47-3	<0.1
Zinc	7440-66-6	<5.0

Section 16. Other Information

The information and recommendations contained herein are, to the best of Phillips Manufacturing Company's knowledge and belief, accurate and reliable as of the date issued. The information is derived from data supplied by providers of the major components of the assembled article. Phillips Manufacturing Company does not guarantee the accuracy or reliability of this information, and shall not be liable for any loss or damage arising out of the use thereof. Our objective in providing this information is to help you protect the health and safety of your personnel and to comply with the OSHA Hazard Communication Standard and Title III of the Superfund Amendment and Reauthorization Act of 1986.

Phillips Manufacturing Company has no control over the conditions of handling and use, and makes no warranty regarding the results obtained from the use of this data. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to determine that they are suitable and complete for its particular use. Phillips reserves the right to make alterations and amendments to the detailed specifications at its discretion. Phillips disclaims responsibility for all actions, proceedings, liabilities, claims, damages, cost, losses, and expenses in relation to, or arising out of, incorrect utilization of this information. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.