

SAFETY DATA SHEET

1. Identification

Product identifier	Polymeric Coated Steel Products
Other means of identification	
SDS number	9
Product code	1, 18, 38, 101, 102, 103, 120, 129, 159, 168, 601, 668, 722, 764, 782, 909, 968.
Recommended use	Industrial use or Construction use
Recommended restrictions	None known.
Manufacturer / Importer / Supplier	
Company name Address	Contech Engineered Solutions, LLC 9025 Centre Pointe Drive West Chester, Ohio 45069, United States
Contact person	Dan Moody
Telephone number	513-645-7055
E-mail	dmoody@conteches.com
Emergency telephone	1-800-255-3924
2. Hazard(s) identification	
Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	None.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	Not classified.

Supplemental information

Not applicable.

3. Composition/information on ingredients

Mixtures

Chemical name		CAS number	%	
Iron		7439-89-6	95	
Zinc		7440-66-6	4	
Composition comments	All concentrations are in percent by weight un percent by volume.	less ingredient is a gas. Gas o	concentrations are ir	n
4. First-aid measures				
Inhalation	If dust from the material is inhaled, remove the physician if symptoms develop or persist.	e affected person immediately	to fresh air. Call a	
Skin contact	Contact with dust: Wash off with soap and wa persists. Cuts or abrasions should be treated area.			d
Eye contact	Dust in the eyes: Do not rub eyes. Rinse with do. Get medical attention if irritation develops		s, if present and eas	sy to

Ingestion	Not likely, due to the form of the product. Dust: Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Contact with dust: Irritation of eyes and mucous membranes. Irritation of nose and throat.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Special powder against metal fires. Dry sand.
Unsuitable extinguishing media	Do not use halogenated extinguishing agents or foam.
Specific hazards arising from the chemical	Dust may form explosive mixture with air. Fire or high temperatures create: Metal oxides.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move container from fire area if it can be done without risk.
6. Accidental release measu	ires
Personal precautions, protective equipment and emergency procedures	Avoid generation and spreading of dust. Ensure adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.
Methods and materials for containment and cleaning up	The product is immiscible with water and will sediment in water systems. Allow spilled material to solidify and scrape up with shovels into a suitable container for recycle or disposal. Collect dust or

particulates using a vacuum cleaner with a HEPA filter.

protective equipment. Observe good industrial hygiene practices.

Provide adequate ventilation. Avoid contact with sharp edges and hot surfaces. Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes. Avoid contact with molten material. Avoid inhalation of fumes from molten product. Wear appropriate personal

Prevent further leakage or spillage if safe to do so.

Keep dry. Store away from incompatible materials.

8. Exposure controls/personal protection

containment and cleaning up

Environmental precautions

7. Handling and storage Precautions for safe handling

Conditions for safe storage,

including any incompatibilities

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Minimize dust generation and accumulation. Ventilate as needed to control airborne dust. Use explosion-proof ventilation equipment if airborne dust levels are high. The risk of inhalation of dust must be minimized as much as possible.
Individual protection measures, s Eye/face protection eye contact by cutting, grinding b Skin protection	such as personal protective equipment Wear dust-resistant and/or flash resistant safety goggles or welding hood where there is danger of purning or welding.
Hand protection	Wear suitable protective gloves to prevent cuts and abrasions at a cut resistance at or above ANSI d, wear gloves to protect against thermal burns at or above ANSI Heat Level 3 or above. Suitable the glove
Other	Wear suitable protective clothing to resist against cuts and burns.
Respiratory protection	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Seek advice from local supervisor.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
9 Physical and chemical r	properties

Physical and chemical properties

Appearance

Physical state	Solid.	

Polymeric Coated Steel Products

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Form	Pipe. Sheets. Strips
Color	Black.
Odor Odor thread old	Odorless.
Odor threshold	Not applicable.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explose	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	8
Solubility(ies)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
10. Stability and reactivity	
Reactivity	The product is stable and non reactive under normal conditions of use, storage and transport.
Chemical stability	Massive metal is stable under normal conditions of use, storage and transport.
Possibility of hazardous reactions	Hazardous polymerization does not occur. Contact with acid liberates flammable gas.
Conditions to avoid	Contact with acids. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong mineral acids.
Hazardous decomposition products	Metal oxides. Hydrogen gas.
11. Toxicological information	n
Information on likely routes of exp	osure
Ingestion	Not relevant, due to the form of the product in its manufactured and shipped state.
Inhalation	Dust and fumes generated from the material can enter the body by inhalation. Dust may irritate respiratory system. Inhalation of powder or fumes may cause metal fume fever.
Skin contact	Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate skin.
Eye contact	Dust may irritate the eyes.
Symptoms related to the physical, chemical and toxicological characteristics	Dust: Irritation of eyes and mucous membranes. Irritation of nose and throat.
Information on toxical aginal affect	

Information on toxicological effects

Acute toxicity

Inhalation of powder or fumes may cause metal fume fever.

Components	Species	Test Results
Iron (CAS 7439-89-6)		
Acute		
Oral		
LD50	Rat	30 g/kg
Skin corrosion/irritation	May cause irritation through me	echanical abrasion.
Serious eye damage/eye irritation	May cause irritation through m	echanical abrasion.
Respiratory sensitization	Not classified.	
Skin sensitization	Not a skin sensitizer.	
Germ cell mutagenicity	Based on available data, the c	lassification criteria are not met.
Carcinogenicity	Based on available data, the c	lassification criteria are not met.
Reproductive toxicity	Based on available data, the c	lassification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the c	assification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the c	assification criteria are not met.
Aspiration hazard	Not classified.	
Chronic effects	Chronic inhalation of high conc pneumoconiosis (siderosis). Ma	entrations of iron oxide fumes or dust may lead to benign ay cause damage to the liver.
Further information	a	t releases metallic oxides which may cause metal fume fever by shivering, fever, malaise and muscular pain.
12. Ecological information		
Ecotoxicity		environmentally hazardous. However, this does not exclude the t spills can have a harmful or damaging effect on the environment.
Components	Species	Test Results
Iron (CAS 7439-89-6)		
Aquatic		
Fish	0.050	(letelume supetetus) 500 ms/l 00 hours

	Aquatic Fish	LC50	Channel catfish (Ictalurus punctatus)	> 500 mg/l, 96 hours
	Zinc (CAS 7440-66-6)			-
	Aquatic			
	Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.24 mg/l, 96 hours
I	Persistence and degradability	The product is r	ot biodegradable.	
I	Bioaccumulative potential	The product is	s not bioaccumulating.	
I	Mobility in soil	No data avail	able.	
	Mobility in general	No data avail		
(Other adverse effects	No data availa	able.	
	13. Disposal consideration	S		
ļ	Disposal instructions	Dispose of wa	aste and residues in accordance with local	authority requirements.
	Hazardous waste code	Not regulated		
	Waste from residues / unused products	Dispose of in	accordance with local regulations.	
(Contaminated packaging	No special pr	ecautions.	
	14. Transport information			
ļ	DOT			
	Not regulated as a hazardou	is material by DO	т.	
ļ				
,	Not regulated as a dangerou IMDG	is good.		
	Not regulated as a dangerou			
	c c	U U		
	Transport in bulk according to Annex II of MARPOL 73/78 and	Not applicabl	е.	
1	the IBC Code			

15. Regulatory information

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US federal regulations			
	Notification (40 CFR 707, Subpt. D)		
Not regulated. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)			
Not listed.	lated Substances (29 CFR 1910.100	1-1050)	
CERCLA Hazardous Substa	nce List (40 CFR 302.4)		
Zinc (CAS 7440-66-6)	LI	STED	
Superfund Amendments and Rea	uthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No		
	Delayed Hazard - No		
	Fire Hazard - No Pressure Hazard - No		
	Reactivity Hazard - No		
SARA 302 Extremely	No		
hazardous substance SARA 311/312 Hazardous	No		
chemical	No		
Other federal regulations			
	112 Hazardous Air Pollutants (HAPs) List	
Not regulated.			
	112(r) Accidental Release Preventio	n (40 CFR 68.130)	
Not regulated.			
Clean Water Act (CWA) Section 112(r) (40 CFR	Priority pollutant Toxic pollutant		
68.130)			
Safe Drinking Water Act	Not regulated.		
(SDWA)			
Food and Drug Administration (FDA)	Not regulated.		
US state regulations			
US. Massachusetts RTk	C - Substance List		
Zinc (CAS 7440-66-	·6)		
US. New Jersey Worker	and Community Right-to-Know Act		
Zinc (CAS 7440-66-	-6) 50	00 lbs	
US. Pennsylvania RTK -	Hazardous Substances		
Zinc (CAS 7440-66-	·6)		
US. Rhode Island RTK			
Zinc (CAS 7440-66-	·6)		
US. California Proposition 65	Components		
Nickel is present in	steel. Hexavalent chromium compo	unds may be created when steel is welded or heated to high	
temperatures.			

temperatures.

WARNING: This product can expose you to chemicals including nickel and hexavalent chromium compounds which are known to the State of California to cause cancer and hexavalent chromium compounds which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Country(s) or region Inventory name On inventory (yes/no)* United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory *A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	08-August-2013
Revision date	16-July-2018
Version #	02
Further information	NFPA Ratings: Health: 0. Flammability: 0. Physical hazard: 0. Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
NFPA Ratings	

List of abbreviations Disclaimer

NFPA: National Fire Protection Association.

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

No