Materials Safety Data Sheet

MSDS#: CWF-0002

Chilled Water Fittings

Issue Date 2012-06-30 **Revision Date** 2012-10-01 **Version** 2

This materials safety data sheet may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200(g). Standard must be consulted for specific requirements.

Manufacturer:	**Chilled Water Fittings, Inc.**
Address:	#2 Maryanne Way – Millville, MA 01529
Emergency Telephone Number:	+1-774-460-0035
Information Telephone Number:	+1-774-460-0035

Section 1 – Identification	
Trade Name:	Chilled Water Fitting
Chemical Name:	Polyvinyl Chloride (PVC) & Closed-Cell Foam (NBR – Nitrile-Butadiene Rubber)

Section 2 – Regulatory Hazards		
Item	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Hazardous Ingredients:	Vinyl resin with functional additives (CH_2CH CL)	None
CAS Number:	#9002-86-2	N/A

Section 3 – Physical / Chemical Characteristics		
Characteristic	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Melting Point:	N/A	N/A
Boiling Point:	N/A	N/A
Vapor Pressure @ 20°C:	N/A	N/A
Vapor Density (mm Hg):	N/A	N/A
Specific Gravity (H_2O=1):	1.42	0.1
Evaporation Rate:	N/A	N/A
Solubility (in H_2O):	None	None
Appearance & Odor:	Smooth, Hard, No Appreciable Odor	Black Color, No Appreciable Odor

Section 4 – Fire and Explosion Hazard Data		
Item	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Flash Point (Method Used):	753° F ASTM D 1929	N/A
Auto-Ignition Temperature:	N/A	N/A
Flammable Limits:	N/A	N/A
Extinguishing Media:	Water, Carbon Dioxide or Foam	Water, CO_2, Dry Chemical, Foam
UEL:	N/A	N/A
LEL:	N/A	N/A
Special Fire Fighting Procedures	Use self-contained breathing apparatus approved for acid vapors. In extreme emergencies where escape is essential, breathe and look through wet cloth covering face, in order allow the water soaked cloth to absorb HCL generating from PVC burning and decomposing.	NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing recommended.
Unusual Fire and Explosion Hazards	No explosion hazards exist. HCl liberated during burning suffuses into the environment as it is generated. Heavy dilution with water is recommended.	N/A

Section 5 – Reactivity Data		
Item	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Stability:	Stable	Stable
Incompatibility:	None	None
Conditions to Avoid:	Temperatures above 450° F	None
Hazardous Polymerization:	Will Not Occur	Will Not Occur
Hazardous Decomposition / Byproducts:	Slow release of HCl when heated above 450° F	HCl, HCN and other hazardous gasses may be released upon combustion

Section 6 – Health Hazard Data		
Item	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Routes of Exposure:	HCl liberated during burning will cause irritation of the eyes, skin and/or respiratory tract.	SEE BELOW
Inhalation		Unlikely route of exposure
Ingestion		No adverse effects
Skin		N/E
Eyes		Small particles may cause irritation
Carcinogenicity:	None	None
IARC	No	No
NTP	No	No
OSHA	No	No

Health Hazards (Acute/Chronic):	Under designated use conditions, there are no acute or chronic health hazards associated with the use of this product. Fire will lead to decomposition with the release of HCl.	Under designated use conditions, there are no acute or chronic health hazards associated with the use of this product.
Signs/Symptoms of Exposure:	HCl liberated during burning will cause irritation of the eyes, skin and/or respiratory tract.	None
Medical Conditions Aggravated by Exposure:	Under designated use conditions; none. Under fire conditions; eye or respiratory medical condition can be aggravated by exposure to HCl.	Under designated use conditions; none.
Emergency First Aid Procedures:	Upon HCl exposure, irrigate eyes and skin with cool water for at least 15 minutes. Remove to fresh air immediately Get medical attention if necessary.	SEE BELOW
Inhalation		Unlikely route of exposure
Ingestion		No adverse effects
Skin		If rash or irritation develops, wash with soap and water, if persistent, consult a physician.
Eyes		Flush with water. If persistent consult a physician.

Section 7 – Storage, Spillage & Disposal Information		
Item	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Storage:	Do not store near flammable liquids or any area that could exceed 450° to prevent formation of HCl.	Avoid storage in confined areas where temperatures may exceed 51°C (125°F)
Spills:	Dispose of in proper disposal units going to landfill areas or high temperature-controlled incinerator; Protect from HCl fumes generated from burning PVC.	N/A
Disposal:	SEE ABOVE	Not an RCRA hazardous waste. Dispose of in accordance with local, state, and federal regulations.

Section 8 – Control Measures and Special Protection Information		
Item	**Polyvinyl Chloride (PVC) – Casing**	**Closed-Cell Foam (NBR) – Gasket**
Respiratory Equipment:	In case of firefighting conditions or where fumes are present, use of self-contained air packs recommended.	In case of firefighting conditions or where fumes are present, use of self-contained air packs recommended.
Engineering Controls / Ventilation:	N/A	Local exhaust ventilation is recommended for control of airborne dust, fumes, and vapors in confined areas.
Local Exhaust:	N/A	
Mechanical:	N/A	
Special:	N/A	
Other:	N/A	
Personal Protection Equipment:	Workers discretion	Light to medium duty cloth or leather gloves and approved safety glasses.