



SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

MATERIAL NAME: CPVC Pipe and Fittings

PRODUCT USE: Hot and cold water, sprinkler systems, and industrial piping

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PREPARED BY: Health, Safety and Environment

SECTION 2. HAZARDS IDENTIFICATION

This product is an article and therefore is not subject to the requirements of the federal Hazardous Products Act (HPA) and Health Canada's Hazard Products Regulations (HPR) to provide a Safety Data Sheet (SDS). This product should not present a health or safety hazard under recommended or normal use.

This product is an article and therefore is not subject to the requirements of the US Hazard Communication Standard (HCS) (29 CFR 1910.1200) to provide a Safety Data Sheet (SDS). This product should not present a health or safety hazard under recommended or normal use.

Classification GHS Not Classified
GHS labelling No Labeling Applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This article does not contain any substances required to be mentioned according to the Canadian or American criteria.

SECTION 4. FIRST AID MEASURES

SPECIFIC FIRST AID MEASURES: No situation is likely to arise from routine handling or CPVC pipes.

EYES: Remove particles with clean water. If irritation persists, consult a physician.

SKIN: Wash with soap and water.

INGESTION: Do not induce vomiting; consult a physician.

INHALATION: If irritation persists, consult a physician.

ACUTE/CHRONIC (LONG-TERM) SYMPTOMS AND EFFECTS: Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 5. FIRE-FIGHTING MEASURES

FIRE FIGHTING: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode or other positive-pressure mode and protective clothing. Personnel not having suitable respiratory protection must leave the area to prevent significant exposure to toxic gases from combustion, burning, or



decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of fire fighting operations. Run off water from fire fighting may have corrosive effects.

EXTINGUISHING MEDIA:

Water, ABC dry chemical, AFFF, and protein type air foams. CPVC compounds are “ordinary combustibles” (NFPA defined Class A). Carbon dioxide is not recommended for use on Class A fires as a lack of cooling capacity may result in re-ignition.

HAZARDOUS COMBUSTION PRODUCTS:

- Irritating or toxic substances will be emitted upon combustion, burning, or decomposition. Smoke from burning CPVC will be very irritating.
- Thermal decomposition, combustion, or pyrolysis may emit CO, CO₂, hydrogen chloride, hydrocarbons. Emissions: dependent on fire conditions.
- Hydrogen chloride, a combustion/decomposition product of CPVC, has a corrosive effect on many metals. Affected equipment surfaces and unprotected structural elements of buildings should be washed with a detergent based water solution to remove corrosive deposits as soon as possible after depositions have occurred.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

No special personal precautions required.

ENVIRONMENTAL PRECAUTIONS:

No special environmental precautions required.

**PROCEDURES TO BE FOLLOWED
IN CASE OF LEAK OR SPILL:**

Pipe fragments and debris should be swept up and removed to a disposal container.

**MATERIALS NOT TO BE USED FOR
CONTAINMENT AND CLEAN UP:**

None applicable

SECTION 7. HANDLING AND STORAGE

**HANDLING PROCEDURES
AND EQUIPMENT:**

Avoid generating dust, fumes or vapours. Ensure well-ventilated conditions by methods such as local mechanical exhaust ventilation, as necessary, during cutting. Avoid continued, prolonged, and/or repeated breathing of fumes or vapours. Do not inhale, ingest, taste, swallow, or chew this product.

STORAGE REQUIREMENTS:

None

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

EXPOSURE LIMITS:

Not required for articles.

**PERSONAL PROTECTIVE
EQUIPMENT TO BE USED:**

When cutting, the use of eye protection and a NIOSH-approved respirator for dust is recommended.

**ENGINEERING CONTROLS
TO BE USED:**

Ventilate adequately when cutting.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
ODOUR AND APPEARANCE:	White, orange or grey, odourless
BOILING POINT:	Not applicable
MELTING POINT:	Not applicable
FREEZING POINT:	Not applicable
VAPOUR PRESSURE:	Not applicable
VAPOUR DENSITY:	Not applicable
SPECIFIC GRAVITY:	1.44 – 1.62
pH:	Not applicable
ODOUR THRESHOLD:	Not applicable
EVAPORATION RATE:	Not applicable
COEFFICIENT WATER/OIL DISTR:	Not applicable
FLASH POINT:	Not applicable.
LOWER FLAMMABLE LIMIT:	Not applicable.
UPPER FLAMMABLE LIMIT:	Not applicable.
CONDITIONS OF FLAMMABILITY:	Flash-ignition temperature: \cong 480oC (Estimated result).
AUTOIGNITION:	400 – 480°C (752 – 896°F)
EXPLOSION DATA:	Not applicable
SOLUBILITY:	No data available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not applicable

SECTION 10. STABILITY AND REACTIVITY DATA

REACTIVITY:	The product is non-reactive under normal conditions of use, storage and transport.
STABILITY	Stable under normal conditions.
CONDITIONS TO AVOID:	Overheating causes decomposition.
HAZARDOUS POLYMERIZATION	Will not occur.



INCOMPATIBLE SUBSTANCES:

Avoid contact with acetal, acetal copolymers and amine containing materials during processing. If processed together, these materials may be mutually destructive and degrade rapidly. Prevent cross contamination of feedstocks. Thoroughly purge and mechanically clean processing equipment to prevent these materials from coming in contact with each other. Refer to technical service reports for specific equipment and procedural recommendations.

HAZARDOUS DECOMPOSITION:

See "Hazardous Combustion Products".

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Not classified
(Based on available data, the classification criteria are not met)

SENTITIZATION:

None known

IRRITANCY:

See "Potential Health Effects"

CHRONIC/CARCINOGENICITY:

None known

REPRODUCTIVE EFFECTS:

None known

POTENTIAL HEALTH EFFECTS:

None known or expected from product at ambient temperature. All components are physically bound in the matrix during our manufacturing process and are not expected to create an exposure to individual components when the product is handled, processed, and used in accordance with good manufacturing and industrial hygiene practice and by following the guidelines in this bulletin.

EYE:

When cutting dust exposure may cause immediate or delayed eye irritation.

SKIN:

When cutting dust exposure may cause effects such as reddening, swelling, irritation, and dermatitis. The onset of symptoms may not occur until several hours after exposure.
Molten product causes skin burns.

INHALATION:

- When cutting dust exposure may cause effects such as irritation of the nose, throat, respiratory tract and lungs. May cause nausea, headache, dizziness, lung damage, vomiting, dry throat, and abdominal pain.
- At elevated temperatures (e.g., processing temperature), this product may emit fumes and vapors that are irritating to the respiratory tract, eyes and/or skin of sensitive people. The concentration and composition of vapors will depend upon variables such as processing method and temperature. The potential for acute and/or chronic health effects will depend on the effectiveness of exhaust ventilation provided to the process area.
- Symptoms such as (but not limited to) coughing, tearing, and irritation must be regarded as potentially hazardous and measures taken to avoid exposure.
- Smoke from burning CPVC will be very irritating. Decomposition or combustion products cause irritation, possibly severe, to the eyes, respiratory tract, and skin. From any decomposing or burning material, overexposure may cause serious injury or even cause death.



INGESTION:

When cutting dust exposure may cause effects such as depression, eye and nasal discharge, stomach and intestinal irritation, and diarrhea.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

PERSISTENCE AND DEGRADABILITY:

Not established.

BIOACCUMULATIVE POTENTIAL:

Not established.

MOBILITY IN SOIL:

No additional information available.

OTHER ADVERSE EFFECTS:

Not established.

SECTION 13. DISPOSAL CONSIDERATIONS

Handle in accordance with federal, state, provincial and municipal regulations.

SECTION 14. TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION: Not applicable

SECTION 15. REGULATORY INFORMATION

No additional information available

SECTION 16. OTHER INFORMATION

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