

CHERNE INDUSTRIES INCORPORATED
MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Company Address: 5700 Lincoln Drive Minneapolis MN 55436 USA
Telephone Number: 952-933-5501
Chemical Family: Screening Smoke
Trade Name: Cherne Smoke Generating Devices for testing sanitary sewers

SECTION 2: PRODUCT INGREDIENTS (SMOKE)

Neither TLV nor PEL applicable because product is intended for use in short term tests.

	TLV	PEL	8-hour time weighted average
Hydrated Zinc Chloride	1 mg/m ³		1 mg/m ³
Water Condensate	-		-
Carbon Monoxide	55 mg/m ³		55 mg/m ³

All other ingredients are present in negligible amounts and/or non-hazardous.

Cherne products are available in various sizes that provide sufficient materials to create easily visible smoke at the concentration of 10-mg/m³ zinc chloride. Cherne SGD 30 and SGD 60 are recommended for testing house plumbing. Cherne SGD 180-1 and SGD 180-2 are recommended for testing sanitary sewer collection systems.

SECTION 3: PHYSICAL DATA (SMOKE)

Boiling Point: Not Applicable
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable
Solubility in Water: Soluble
PH: No Data
Appearance and Odor: Gray to white with an odor of burning paper.

SECTION 4: FIRE & EXPLOSION HAZARD DATA

(SMOKE): Flash Point (method used): None
Autoignition: Not Applicable
Flammable limits in air: Not Applicable

(SOLID PRODUCT): Extinguishing Media: Use media suitable for surrounding fire.

(SMOKE/SOLID PRODUCT): Special fire fighting protective equipment: self-contained breathing apparatus and full protective clothing.

(SMOKE/SOLID PRODUCT): Unusual fire and explosion hazards: None known

MATERIAL SAFETY DATA SHEET (continued)

SECTION 5: REACTIVITY DATA (SOLID PRODUCT)

Stability: Stable under normal conditions

Hazardous decomposition products: See Section 2

Hazardous polymerization: None known

SECTION 6: HEALTH HAZARD ASSESSMENT (SMOKE)

General: Cherne Smoke Generating Devices can be used without hazard if applied as directed. The main effects of the smoke are some minimal irritation of the throat, an awareness of an odd odor, and the appearance of smoke. These effects act as a warning and are desirable to prevent voluntary overexposure. Individuals should be urged not to accept exposures that cause minor irritation, but to leave the area and ventilate well to dissipate the smoke.

Ingestion: Not a significant route of exposure.

Eye Contact: Acute exposure is not likely to induce eye irritation.

Skin Absorption: Not a significant route of exposure.

Inhalation: Acute exposure can cause irritation of the respiratory tract and mucous membranes. Irritation is a warning property of smoke materials; in itself irritation is not usually regarded as a toxic effect unless it is sufficient to cause inflammation and then inflammation, not irritation, is the toxic effect.

Emergency and First Aid Procedures: Remove victim to fresh air. If breathing is difficult, get medical attention.

SECTION 7: DISPOSAL METHOD

(SMOKE): Ventilate area: Use local exhaust to keep exposure to a minimum. The duration of smoke in the house or basement would be short and opening could reduce the length of exposure further doors and windows for a few minutes, if and when the smoke appears.

(SOLID PRODUCT): Disposal Method: Dispose in chemical disposal area in a manner that complies with local, state and federal regulations.

The information herein is given in good faith, but no warranty, expressed or implied, is made.
