

**SAFETY DATA SHEET****Zerust® ICT® Vapor Capsules™ and Pipe Strips™**

This SDS is not mandated under OSHA Hazard Communication Standard 29 CFR §1910.1200 and is provided for information only.

1. Identification**Product identifier**

Product name	Zerust® ICT® Vapor Capsules™ and Pipe Strips™
Product number	375-M-00001, 375-M-00002, 375-M-00003, 375-M-00004, 375-M-00005, 375-M-00006, 375-M-00025, 375-M-00026, 375-M-00027, 525-M-00001, 525-M-00002
Synonyms; trade names	Zerust Vapor Capsule, VC0.5-1, VC1-1, VC1-1(s), VC2-1, VC2-2, VC6-1, VC6-2, PS2-10, PS2-16

Recommended use of the chemical and restrictions on use

Application	Corrosion inhibitor. Packaging
Uses advised against	No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Manufacturer	Northern Technologies International Corporation 4201 Woodland Rd Circle Pines, MN 55014 - United States 1-763-225-6600 sds@ntic.com
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Emergency telephone number

Emergency telephone	Carechem +1 202 464 2554; Outside US/Canada +44 1865 407333 (24 hours; 7 days/week)
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2. Hazard(s) identification**Classification of the substance or mixture**

OSHA Regulatory Status	This Product is Not Hazardous under the OSHA Hazard Communication Standard.
Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

Label elements

Hazard statements	NC Not Classified
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3. Composition/information on ingredients**Mixtures**

Composition comments	None of the ingredients are required to be listed.
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4. First-aid measures**Description of first aid measures**

General information	No special treatment required.
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Inhalation	No special treatment required.
Ingestion	Get medical attention.
Skin Contact	No special treatment required.
Eye contact	No special treatment required.
Protection of first aiders	No specific requirements are anticipated under normal conditions of use.

Most important symptoms and effects, both acute and delayed

General information	The product is considered to be a low hazard under normal conditions of use.
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Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
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Unsuitable extinguishing media	None known.
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Special hazards arising from the substance or mixture

Specific hazards	None known.
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Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO).
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Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Not applicable.
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Environmental precautions

Environmental precautions	Not applicable.
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Methods and material for containment and cleaning up

Methods for cleaning up	Collect spillage.
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Reference to other sections	None
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7. Handling and storage

Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Do not disassemble.
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Advice on general occupational hygiene	If disassembled and handling VCI tablets: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When handled correctly, undamaged units represent no danger.
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Conditions for safe storage, including any incompatibilities

Storage precautions	Keep only in the original container. Keep container tightly closed and dry.
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Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

No exposure limits known for ingredient(s).

Exposure controls

Personal protection As supplied, the material does not present a health hazard.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Diffuser containing tablets.

Color Various colors.

Odor Odorless.

Melting point No information available.

Auto-ignition temperature No information available.

Decomposition Temperature No information available.

Other information None.

10. Stability and reactivity

Reactivity Not applicable.

Stability Stable under the prescribed storage conditions.

Possibility of hazardous reactions No potentially hazardous reactions known.

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Summary Based on available data the classification criteria are not met.

Acute toxicity - dermal

Summary Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Summary Based on available data the classification criteria are not met.

Skin corrosion/irritation

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Summary Based on available data the classification criteria are not met.

Serious eye damage/irritation

Summary Based on available data the classification criteria are not met.

Respiratory sensitization

Summary Based on available data the classification criteria are not met.

Skin sensitization

Summary Based on available data the classification criteria are not met.

Germ cell mutagenicity

Summary Based on available data the classification criteria are not met.

Carcinogenicity

Summary Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

NTP carcinogenicity None of the ingredients are listed or exempt.

OSHA Carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Summary Based on available data the classification criteria are not met.

Aspiration hazard

Summary Based on available data the classification criteria are not met.

General information No specific health hazards known.

12. Ecological information

Acute aquatic toxicity

Summary Based on available data the classification criteria are not met.

Chronic aquatic toxicity

Summary Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Mobility in soil

Mobility No data available.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

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Waste treatment methods

Disposal methods No specific disposal method required.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International) Not applicable.

UN No. (DOT) Not applicable.

UN proper shipping name

Proper shipping name (International) Not applicable.

Proper shipping name (DOT) Not applicable.

Transport hazard class(es)

Transport Labels (International) No transport warning sign required.

DOT transport labels

No transport warning sign required.

Packing group

Packing group (International) Not applicable.

DOT packing group Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

DOT reportable quantity Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US Federal Regulations

SARA (311/312) Hazard Categories

None

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

Inventories

Zerust® ICT® Vapor Capsules™ and Pipe Strips™

US - TSCA

All the ingredients are listed or exempt.

16. Other information

Abbreviations and acronyms used in the safety data sheet

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service.

ATE: Acute toxicity estimate.

LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

Training advice

Read and follow manufacturer's recommendations.

Issued by

HS&E Manager.

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Revision

3.3

Supersedes date

6/6/2017

SDS No.

413

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