



SAFETY DATA SHEET

Zerust® ICT® Flange Saver

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® Flange Saver

Synonyms; trade names Flange Saver cover, Flange Saver-150 PSI, Flange Saver-300 PSI, Flange Saver 1500 PSI, Flange Saver (with window)- 150 PSI, Flange Saver Valve Covers

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

Emergency telephone number

Emergency telephone Carechem +1 202 464 2554; Outside US/Canada +44 1865 407333 (24 hours; 7 days/week)

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

3. Composition/information on ingredients

Mixtures

Composition comments None of the ingredients are required to be listed.

4. First-aid measures

Description of first aid measures

General information No special treatment required.

Inhalation No special treatment required.

Ingestion Get medical attention.

Zerust® ICT® Flange Saver

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.
<u>Most important symptoms and effects, both acute and delayed</u>	
General information	The product is considered to be a low hazard under normal conditions of use.
<u>Indication of immediate medical attention and special treatment needed</u>	
Notes for the doctor	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media None known.

Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide (CO).

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Not applicable.

Environmental precautions

Environmental precautions Not applicable.

Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage.

Reference to other sections None

7. Handling and storage

Precautions for safe handling

Usage precautions None

Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Keep container tightly closed and dry.

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

Zerust® ICT® Flange Saver

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 Solid. Polyethylene.

Color Various colors.

Odor Characteristic.

Melting point 104-138°C

Auto-ignition temperature >350°C

Decomposition Temperature >240°C

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

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.

Zerust® ICT® Flange Saver

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

Waste treatment methods

Disposal methods Reuse or recycle products wherever possible.

14. Transport information

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

Zerust® ICT® Flange Saver

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

US - TSCA
All the ingredients are listed or exempt.

16. Other information

Zerust® ICT® Flange Saver

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.

Revision date

9/7/2021

Revision

2.5

Supersedes date

4/22/2019

SDS No.

540

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.