

Safety Data Sheet CERTOP INDUSTRIAL ISO 220

Supersedes Date 10/02/2015

Issuing Date 12/28/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CERTOP INDUSTRIAL ISO 220
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 1115
Chemical nature Hydrocarbons Mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Red

Physical state Liquid

Odor Oily

GHS

Classification

Physical Hazards

None

Health Hazard

Skin sensitization

Category 1A

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H317 - May cause an allergic skin reaction

Precautionary Statements

P261 - Avoid breathing mist.
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves, protective clothing and eye protection.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs, get medical attention
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
2,5-Bis(octyldithio)-1,3,4-thiadiazole	13539-13-4	0.1-1

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to physician

May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point 495 °F / 257 °C

Flammability Limits in Air %: Not applicable.

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA Health 2

Flammability 1

Instability 0

HMIS Health 2

Flammability 1

Instability 0

Method Open cup

Upper: No data available

Lower: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up

Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Storage

Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Storage Temperature

Minimum 35 °F / 2 °C

Maximum 120 °F / 49 °C

Storage Conditions

Indoor X Outdoor

Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Viscosity

Viscous

Color

Red

Odor

Oily

Odor Threshold

Not applicable

Appearance

Transparent

pH

Not applicable

Specific Gravity

0.881

Evaporation Rate

<1 (BuAc = 1)

Percent Volatile (Volume)

0

VOC Content (%)

0.2

VOC Content (g/L)

0

Vapor Pressure

0.04 mmHg @ 70°F

Vapor Density

6.8 (Air = 1.0)

Solubility

Negligible

n-Octanol/Water Partition

No data available

Melting Point/Range

No data available

Decomposition Temperature

No data available

Boiling Point/Range

> 500 °F / 260 °C

Flammability (solid, gas)

No data available

Flash Point

495 °F / 257 °C

Method

Open cup

Autoignition Temperature

No information available.

Flammability Limits in Air %:

Not applicable

Upper: No data available Lower: No data available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Products
Decomposition Temperature
Hazardous Decomposition Products
Possibility of Hazardous Reactions

Strong oxidizing agents, Reducing agents, Strong acids.
 No data available
 Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Ketones.
 None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 5,027.55
 Dermal LD50 2,001.96
 Inhalation LC50
 Gas No information available
 Mist No information available
 Vapor No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry None known.

Acute Effects:
 Eyes Low hazard for usual industrial or commercial handling.
 Skin May cause allergic skin reaction.
 Inhalation Low hazard for usual industrial or commercial handling.
 Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity Prolonged skin contact may defat the skin and produce dermatitis.
Target Organ Effects No information available.
Aggravated Medical Conditions No information available.

Component Information
Acute Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
2,5-Bis(octyldithio)-1,3,4-thiadiazole 13539-13-4	No data available	Skin Sensitization	No data available	No data available	Immune system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.
Component Information

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated
 TDG Not regulated
 ICAO Not regulated
 IATA Not regulated
 IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA Complies
 DSL Complies
 U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

16. OTHER INFORMATION

Prepared By Samantha Purvis
 Supercedes Date 10/02/2015
 Issuing Date 12/28/2016
 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

CERTIFIED LABS, DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.