

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Zerol 150 (4310)

CAS # Mixture
Product use Oil

Manufacturer Nu-Calgon 2008 Altom Court

St. Louis, MO 63146 US

Phone: 314-469-7000 / 800-554-5499

Emergency Phone: 1-800-424-9300 (CHEMTREC)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





2. Hazards Identification

Emergency overview Contact may cause eye and skin irritation.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause minor irritation.

Skin Based on test data, not expected to be a primary skin irritant.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness).

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Skin. Eyes.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and

vomiting.

3. Composition / Information on Ingredients

Composition comments This product is considered non hazardous by WHMIS/OSHA criteria.

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing.

Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation

persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical

attention.

Ingestion Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water.

Obtain medical attention. Never give anything by mouth if victim is unconscious, or is

convulsing.

Notes to physician Symptoms may be delayed.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that

medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with

eyes and skin. Keep out of reach of children.

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5. Fire Fighting Measures

Not flammable by WHMIS/OSHA criteria. Flammable properties

Extinguishing media

Carbon dioxide. Dry chemical. Fog. Foam. Suitable extinguishing media

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from

the chemical

Not available

Protective equipment for

firefighters

Firefighters should wear full protective clothing including self contained breathing

apparatus.

Hazardous combustion products

Explosion data

May include and are not limited to: Oxides of carbon.

Sensitivity to mechanical

impact

Not available

Sensitivity to static discharge

Not available

6. Accidental Release Measures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do Personal precautions

not touch damaged containers or spilled material unless wearing appropriate protective

clothing. Keep people away from and upwind of spill/leak.

Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers,

basements or confined areas.

Before attempting clean up, refer to hazard data given above. Small spills may be Methods for cleaning up

absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling Use good industrial hygiene practices in handling this material.

Keep out of reach of children. Store in a closed container away from incompatible Storage

materials.

8. Exposure Controls / Personal Protection

General ventilation normally adequate. **Engineering controls**

Personal protective equipment

Safety glasses if eye contact is possible. Eye / face protection

Rubber gloves. Confirm with a reputable supplier first. Hand protection

As required by employer code. Skin and body protection

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Avoid breathing mists or vapors.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Clear. **Appearance** Yellow Color Form Liquid Odorless Odor Not available Odor threshold Physical state Liquid

Not available pН **Melting point** Not available Freezing point Not available

> 300 °C (> 572.00 °F) **Boiling point**

Flash point > 150 °C (> 302.00 °F) Cleveland Open Cup

Evaporation rate Not available Flammability limits in air, lower, % Not available

by volume

Flammability limits in air, upper, %

by volume

Not available

Vapor pressureNot availableVapor densityNot availableSpecific gravity0.86 - 0.88Octanol/water coefficientNot availableSolubility (H2O)Negligible

Auto-ignition temperature> 340 °C (> 644.00 °F)Viscosity26 - 31 cSt @ 40°CPercent volatileNot available

10. Chemical Stability & Reactivity Information

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Do not mix with other chemicals.

Incompatible materials Oxidizers.

Hazardous decomposition products May include and are not limited to: Oxides of carbon.

Possibility of hazardous reactions Hazardous polymerization does not occur.

11. Toxicological Information

Effects of acute exposure

Eye May cause minor irritation.

Skin Based on test data, not expected to be a primary skin irritant.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness).

Ingestion May cause stomach distress, nausea or vomiting.

Sensitization
Non-hazardous by WHMIS/OSHA criteria.
Chronic effects
Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity
Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity
Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects
Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity
Non-hazardous by WHMIS/OSHA criteria.

12. Ecological Information

Not available **Ecotoxicity** Not available **Environmental effects** Not available Aquatic toxicity Persistence / degradability Not available Not available Bioaccumulation / accumulation Not available Partition coefficient Not available Mobility in environmental media Not available Chemical fate information

13. Disposal Considerations

Waste codes Not available

Disposal instructions Dispose in accordance with all applicable regulations.

Waste from residues / unused

products

ues / unused Not available

Contaminated packaging

Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Canadian federal regulations

Products Regulations and the MSDS contains all the information required by the

Controlled Products Regulations.

This product is not known to be a "Hazardous Chemical" as defined by the OSHA US Federal regulations

> Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

chemical

CERCLA (Superfund) reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

> Delayed Hazard - No Fire Hazard - No Pressure Hazard - No. Reactivity Hazard - No

Section 302 extremely hazardous substance

Section 311 hazardous chemical No

Clean Air Act (CAA) Not available Not available Clean Water Act (CWA) Not available Safe Drinking Water Act (SDWA) Not available **Drug Enforcement Agency (DEA)** Not available Food and Drug Administration

(FDA)

Not Controlled WHMIS status

This product does not contain a chemical known to the State of California to cause State regulations

cancer, birth defects or other reproductive harm.

Inventory name

Country(s) or region On inventory (yes/no)* Inventory name

Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances List (NDSL) No Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Information contained herein was obtained from sources considered technically accurate Disclaimer

> and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the

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