

Safety Data Sheet

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: CITADEL Heavy Duty Hi-Temp Grease #2

Product Grades/Codes: CITADEL Heavy Duty Hi-Temp Grease #2 – 1823500431 (Drum), 1823500443 (Keg), 1823500451 (Pail), 1823500498 (4x10 Pack)

1.2 Intended Use of the Product

See Technical Data Sheet.

1.3 Company Identification

North American Lubricants Company
7337 E. Doubletree Ranch Road, Suite 180
Scottsdale, AZ 85258
(800)430-6252
www.nalube.com

1.4 Emergency Telephone Number

Emergency Number : CHEMTREC: (800)424-9300 or (703)527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1 OSHA/HCS Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

2.2 Classification of the Substance or Mixture:

Not Classified

2.3 GHS Label Elements

Signal Word: No signal word.

Hazard Statements: No known significant effects or critical hazards.

2.4 Precautionary Statements

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Hazards Not Otherwise Classified: None known

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance/Mixture

Mixture

Ingredient/Chemical Designations	% (w/w)	CAS Number
Antimony tris dialkydithiocarbamate	≥1 - ≤3	Proprietary
Benzenamine, N-phenyl-, styrenated	≥0.3 - ≤1	68442-68-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin Contact: Flush contaminated skin with plenty of water. Get medical attention if symptom occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No known significant effects or critical hazards.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First-Aiders: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None known.

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5.2 Special Hazards Arising from the Substance or Mixture

No specific fire or explosion hazard.

5.3 Hazardous Thermal Decomposition Products

No specific data.

5.4 Special Protective Actions for Firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.5 Advice for Firefighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

6.2 Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and Material for Containment and Cleaning

Spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on General Occupation Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

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7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

The following occupational exposure limits have been established:

Ingredient Name	Exposure Limits
Antimony tris (dialkydithiocarbamate) mixture	None
Benzenamine, N-phenyl-, styrenated	None

Appropriate Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.2 Individual Protection Measures

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

8.3 Skin Protection

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State	: Solid (Semi-Solid Gel)
Color	: Red
Odor	: Mild Petroleum
Odor Threshold	: Not Available
pH	: Not Available
Melting Point / Freezing Point (C)	: Not Available
Initial Boiling Point and Boiling Range (C)	: >316°C (>601°F)
Flash Point (C)	: Not Available
Evaporation Rate (H20=1)	: Not Available
Flammability (solid, gas)	: Not Available
Upper/Lower Flammability or Explosive limits	
Lower Explosive Limit	: Not Available
Upper Explosive Limit	: Not Available
Vapor Pressure	: < 0.13 kPa (< 1 mm Hg) @ 68°F]
Vapor Density	: Not Available
Relative Density	: Not Available
Solubility	: Partially Soluble in Water
Partition Coefficient: N-Octanol/Water	: Not Available
Auto-Ignition Temperature (C)	: Not Available
Decomposition Temperature	: Not Available
Viscosity	: Not Available
Flow Time (ISO 2431)	: Not Available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical Stability

The product is stable.

10.3 Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to Avoid

No specific data.

10.5 Incompatible Materials

Reactive or incompatible with the following materials: oxidizing materials.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Product/Ingredient Name	Result	Species	Dose	Exposure
Benzenamine, N-phenyl-, styrenated	LD50 Dermal	Rabbit	>10000 mg/kg	-

Information on the Likely Routes of Exposure: Dermal contact. Eye contact. Ingestion.

11.2 Potential Acute Health Effects

No known significant effects or critical hazards.

11.3 Symptoms Related to the Physical, Chemical and Toxicological Characteristics

No known significant effects or critical hazards.

11.4 Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

No known significant effects or critical hazards.

11.5 Potential Chronic Health Effects

No known significant effects or critical hazards.

11.6 Numerical Measures of Toxicity

Acute Toxicity Estimates: There is no data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

There is no data available.

12.2 Persistence and Degradability

There is no data available.

12.3 Bioaccumulative Potential

There is no data available.

12.4 Mobility in Soil

Soil/Water Partition Coefficient (Koc): There is no data available.

12.5 Other Adverse Effects

No known significant effects or critical hazards.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

14.1 Regulations

	DOT Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class(es)	-	-	-
Packing Group	-	-	-
Environmental Hazards	No.	No.	No.

AERG: Not Applicable

14.2 Special Precautions for User

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations:

United States Inventory (TSCA 8b):	All components are listed or exempted.
Clean Water Act (CWA) 307:	Phosphorodithioic acid, mixed O, O-bis (iso-Bu and pentyl) esters, zinc salts
Clean Water Act (CWA) 311:	Hydrogen sulphide
Clean Air Act Section 112: (b) Hazardous Air Pollutants (HAPS)	Listed
Clean Air Act Section 602: Class I Substances	Not Listed
Clean Air Act Section 602: Class II Substances	Not Listed

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DEA List I Chemicals: (Precursor Chemicals)	Not Listed
DEA List II Chemicals: (Essential Chemicals)	Not Listed

15.2 Saturate, Aromatic, Resin and Asphaltene (SARA)

SARA 302/304 Composition/Information on Ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Hydrogen sulphide	Yes	500	-	100	-

SARA 304 RQ: 19841269.8 lbs / 9007936.5 kg

SARA 311/312 Composition/Information on Ingredients

Name	Classification
Antimony tris dialkydithiocarbamate	Skin Corrosion/Irritation – Category 2 Serious Eye Damage / Eye Irritation – Category 2A

SARA 313 Composition/Information on Ingredients

No Data Available

15.3 State Regulations

Massachusetts: The following components are listed: Distillates (petroleum), hydrotreated heavy naphthenic; Distillates (petroleum), hydrotreated heavy paraffinic.

New York: None of the components are listed.

New Jersey: None of the components are listed.

Pennsylvania: None of the components are listed.

California Prop. 65: This product does not require a Safe Harbor warning under California Prop. 65.

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 2/06/2020

Other Information : This information has been compiled from sources considered to be dependable and is accurate to the best of our North American Lubricants Company's knowledge.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. North American Lubricants Company assumes no responsibility for injury from the use of the product described herein.

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