



**ZEP MANUFACTURING COMPANY**  
 Acuity Specialty Products Group, Inc.  
 P.O. BOX 2015  
 ATLANTA, GA 30301  
 1-877-1-BUY-ZEP

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP CHERRY CREME

**Product Use** Antibacterial Hand Cleaner

**Product Code** 0898

**Date of issue** 08/25/03 **Supersedes**

**Emergency Telephone Numbers** **For MSDS Information:**  
 Acuity Specialty Products Group, Inc.  
**Compliance Services 1-877-1-BUY-ZEP**

**For Medical Emergency:**  
 INFOTRAC  
**(877) 541-2016 Toll Free - All Calls Recorded**

**For a Transportation Emergency:**  
 CHEMTREC  
**(800) 424-9300 - All Calls Recorded**  
**In the District of Columbia (202) 483-7616**

RAUTHORN ELECTRIC  
 17171 23 MILE RD  
 MACOMB MI 48042

Printing date: 09/19/06

**Prepared by** Compliance Services Group  
 Acuity Specialty Products Group  
 1420 Seaboard Industrial Blvd.  
 Atlanta, GA 30318

## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
OSHA'S Hazard Communication Standard (29 CFR 1910.1200) does not require the listing of any ingredients for this product.			

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Not applicable.

**Skin** Non-irritating under conditions of use. Non-sensitizer for skin.

**Eyes** Non-irritating to the eyes.

**Inhalation** No known acute effects of this product resulting from inhalation.

**Ingestion** No known acute effects of this product resulting from ingestion.

HMIS	
Health	0
Fire Hazard	0
Reactivity	0
Personal Protection	NA

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** There is no known effect from chronic exposure to this product.

See Toxicological Information (section 11)

## Section 4. First Aid Measures

**Eye Contact** Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.

**Skin Contact** Rinse with plenty of running water. Get medical attention if irritation develops.

**Inhalation** Not applicable.

**Ingestion** Do NOT induce vomiting unless directed to do so by medical personnel. If swallowed, seek medical advice immediately and show this container or label.

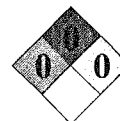
## Section 5. Fire Fighting Measures

**Flash Point** Not applicable. **Flammable Limits** Not applicable.

**Flammability** Non combustible.

**Fire Hazard** Not applicable.

**Fire-Fighting Procedures** Not applicable.



## Section 6. Accidental Release Measures

**Spill Clean up** Large spills are unlikely due to packaging. Small spills can be taken up with an absorbent and placed in containers for later disposal. Finish cleaning the spill area with running water.

## Section 7. Handling and Storage

**Handling** Avoid contact with eyes.

**Storage** Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

	Personal Protection	Protective Clothing (Pictograms)
<b>Eyes</b>	No special measures required.	
<b>Body</b>	No special measures required.	
<b>Respiratory</b>	No special measures required.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Pink. Opaque. Pearlized.
<b>pH</b>	6.0-7.0	<b>Odor</b>	Cherry Blossom.
<b>Boiling Point</b>	104.4°C (220°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.01 (Water = 1)	<b>Vapor Density</b>	Not applicable.
<b>Solubility</b>	Soluble in water.	<b>Evaporation Rate</b>	Not determined.
		<b>VOC (Consumer)</b>	0.0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	None identified.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Carbon Dioxide, Carbon Monoxide and other organic materials.

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	Not applicable.
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**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>Biodegradable/OECD</b>	Not available.

**Section 13. Disposal Considerations**

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	<b>Waste Stream Code:</b> - (None.)
		<b>Classification:</b> - (Non-hazardous waste)

Consult your local or regional authorities.

**Section 14. Transport Information**

<b>Proper shipping name</b>	None.		
<b>DOT Classification</b>	Not a DOT controlled material (United States).	<b>UN number</b>	Not regulated.

**Section 15. Regulatory Information**

<b>U.S. Federal Regulations</b>	SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
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**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*



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1-877-I-BUY-ZEP (428-9937)  
www.zep.com

# Material Safety Data Sheet

## and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

**Product name** Zep 45 NC  
**Product Use** Aerosol Lubricant & Penetrant  
**Product Code** 0149  
**Date of issue** 02/15/06 **Supersedes** 12/17/03

**Emergency Telephone Numbers** For MSDS Information:  
Acuity Specialty Products Group, Inc.  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

**For Medical Emergency**  
INFOTRAC:  
(877) 541-2016 Toll Free - All Calls Recorded

**For a Transportation Emergency**  
CHEMTREC:  
(800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared by** Compliance Services Group  
Acuity Specialty Products Group  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

00637 B343  
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 MACOMB MI 48042

Printing date: 09/19/06

### Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
LIGHT AROMATIC NAPHTHA; aromatic hydrocarbon solvent; solvent naphtha (petroleum)	64742-95-6	10-20	Not established
LIGHT ALIPHATIC NAPHTHA; solvent naphtha (petroleum), medium aliphatics; formerly: light aromatic naphtha	64742-88-7	10-20	ACGIH TLV (United States). STEL: 200 ppm 8 hour(s). OSHA PEL (United States). TWA: 500 ppm 8 hour(s). ACGIH TLV (United States). TWA: 100 ppm 8 hour(s).
PARAFFIN OIL; blend of heavy and light naphthenic petroleum distillate	64742-52-5	10-20	OSHA PEL (United States). : 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist ACGIH TLV (United States). : 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	5-15	ACGIH TLV (United States). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).
MINERAL SEAL OIL; mineral oil; petrolatum	64741-77-1	1-10	OSHA PEL (United States). : 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist ACGIH TLV (United States). : 5 ppm 8 hour(s). Form: Mist
1,2,4-TRIMETHYLBENZENE	95-63-6	1-10	ACGIH TLV (United States). : 25 ppm OSHA PEL (United States). : 25 ppm
BLEND OF AMYL ACETATE; 3-METHYL BUTYL ACETATE; 2-METHYL BUTYL ACETATE	628-63-7; 123-92-2; 624-41-9	1-5	OSHA PEL (United States). TWA: 100 ppm 8 hour(s). ACGIH TLV (United States). TWA: 50 ppm 8 hour(s). STEL: 100 ppm 15 minute(s).
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	1-5	Not established

### Section 3. Hazards Identification

#### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin** Direct contact may cause irritation and redness. Prolonged skin contact may cause dermatitis with drying and cracking of skin. May be harmful if absorbed through skin.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Hazardous in case of inhalation. May cause respiratory tract irritation. Can cause central nervous system depression. Medical Conditions Aggravated by Overexposure: Respiratory

**Ingestion** Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

#### HMIS

Health	2
Hazard	2
Reactivity	0
Personal Protection	B

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** Prolonged or repeated contact may dry skin and cause irritation. Can cause central nervous system depression. The substance may be toxic to blood, kidneys, liver, heart, ears, eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

#### Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

**Skin Contact** Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Aspiration hazard if swallowed- can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.

#### Section 5. Fire Fighting Measures

**Flash Point** Not available. **Flammable Limits** Not available.

**Flammability** FLAMMABLE. (CSMA)

**Fire Hazard** FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions or when heated.

**Fire-Fighting Procedures** Use dry chemical or CO<sub>2</sub>. Cool closed containers exposed to fire with water. Wear special protective clothing and positive pressure, self-contained breathing apparatus.



#### Section 6. Accidental Release Measures

**Spill Clean up** Large spills are unlikely due to packaging.

#### Section 7. Handling and Storage


**Handling** CONTENTS UNDER PRESSURE. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use with adequate ventilation. Wash contaminated clothing before reusing.


**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 49°C (120.2°F). Do not puncture or incinerate. Keep out of the reach of children.

#### Section 8. Exposure Controls, Personal Protection

##### Personal Protection

##### Protective Clothing (Pictograms)

**Eyes** Safety glasses. 

**Body** For prolonged or repeated handling, use chemical resistant gloves. Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves. 

**Respiratory** Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

#### Section 9. Physical and Chemical Properties

**Physical State** Liquid. (Aerosol.) **Color** Amber.

**pH** Not applicable. **Odor** Sweetish. Solvent-like.

**Boiling Point** 179.44°C (355°F) **Vapor Pressure** Not determined.

**Specific Gravity** 0.86 (Water = 1) **Vapor Density** Not determined.

**Solubility** Insoluble in cold water, hot water. **Evaporation Rate** <1 compared to water

**VOC (Consumer)** 49.9% 3.58 (lb/gal) 429 (g/l).

#### Section 10. Stability and Reactivity

**Stability and Reactivity** The product is stable.

**Incompatibility** Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** Carbon Dioxide, Carbon Monoxide and other organic materials..

#### Section 11. Toxicological Information

**Toxicity to Animals** Not available.

**Section 12. Ecological Information**

Ecotoxicity Not available.

Biodegradable/OECD Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Code: D001  
Classification: Hazardous Waste

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Consumer Commodity**DOT Classification** ORM-D**UN number** Not available.

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

1,2,4-Trimethylbenzene

Diethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: Amyl Acetate

Clean air act (CAA) 112 regulated toxic substances: Diethylene Glycol Monobutyl Ether

All Components of this product are listed or exempt from listing on TSCA inventory.

**Section 16. Other Information**

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# Material Safety Data Sheet

## and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

**Product name** MORADO SUPER CLEANER  
**Product Use** Heavy Duty Cleaner  
**Product Code** 0856  
**Date of issue** 2/16/07 **Supersedes** 11/07/05

00655 B343  
 RAUTHORN ELECTRIC  
 17171 23 MILE RD  
 MACOMB MI 48042

**Emergency Telephone Numbers** For MSDS Information:  
 Acuity Specialty Products Group, Inc.  
 Compliance Services 1-877-I-BUY-ZEP (428-9937)

**For Medical Emergency**  
 INFOTRAC:  
 (877) 541-2016 Toll Free - All Calls Recorded

**For a Transportation Emergency**  
 CHEMTREC:  
 (800) 424-9300 - All Calls Recorded  
 In the District of Columbia (202) 483-7616

Printing date. 07/20/07

**Prepared by** Compliance Services Group  
 Acuity Specialty Products Group  
 1420 Seaboard Industrial Blvd.  
 Atlanta, GA 30318

### Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SODIUM HYDROXIDE; caustic soda; soda lye	1310-73-2	<10	ACGIH / OSHA (United States). CELL: 2 mg/m <sup>3</sup>
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	<10	ACGIH TLV (United States). Skin TWA: 20 ppm 8 hour(s). Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm 8 hour(s). Form: Vapor

### Section 3. Hazards Identification

#### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.  
 Ingestion.

**Skin** Causes skin burns. Harmful if absorbed through the skin.  
**Eyes** Causes eye burns. Direct contact with the eyes can cause irreversible damage including blindness.  
**Inhalation** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.  
**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

#### HMIS

Health	3
Physical Hazard	1
Reactivity	0
Personal Protection	D, q

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

#### Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

#### Chronic Effects

Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

### Section 4. First Aid Measures

#### Eye Contact

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

#### Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

#### Inhalation

If excessive quantities inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek immediate medical attention.

#### Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

**Flash Point** Closed cup: Higher than 93.3°C (200°F). (Tagliabue.) **Flammable Limits** Not applicable.

**Flammability** Aqueous solutions are non-flammable.

**Fire Hazard** May emit toxic fumes under fire conditions.

**Fire-Fighting Procedures** Use DRY chemicals, CO<sub>2</sub>, water spray or foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.

**Section 6. Accidental Release Measures**

**Spill Clean up** Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Section 7. Handling and Storage**

**Handling** Do not get in eyes, on skin, or on clothing. Do not ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing.

**Storage** Keep container tightly closed. Store away from incompatible materials. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection**

**Eyes** Chemical splash goggles and face shield.

**Body** Chemical resistant gloves. Recommended: Neoprene gloves. Nitrile gloves. Latex gloves. Chemical resistant apron. Boots.

**Respiratory** Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

**Protective Clothing (Pictograms)****Section 9. Physical and Chemical Properties**

**Physical State** Liquid. (Clear to slightly hazy.) **Color** Purple.

**pH** 13.0-14.0 **Odor** Ethereal.

**Boiling Point** 98.9°C (210°F) **Vapor Pressure** Not determined.

**Specific Gravity** 1.06 (Water = 1) **Vapor Density** >1 (Air = 1)

**Solubility** Easily soluble in cold water, hot water. **Evaporation Rate** >1 compared to Water

**VOC (Consumer)** 42 (g/l). (3.98%. 0.35 lbs/gal)

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive with oxidizing agents, metals, acids.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** Carbon Dioxide, Carbon Monoxide and other organic materials..

**Section 11. Toxicological Information**

**Toxicity to Animals** **Ethylene Glycol Monobutyl Ether:**

ORAL (LD50): Acute: 1746 mg/kg [Rat].

DERMAL (LD50): Acute: 680 mg/kg [Rabbit].

VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].

**Sodium Hydroxide:**

ORAL (LD50): Acute: 500 mg/kg [Rat].

DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**Biodegradable/OECD** Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Code: -D002  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)**DOT Classification** Class 8: Corrosive liquid.**UN number** 3266

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Ethylene Glycol Monobutyl Ether (Glycol Ethers)

Clean Water Act (CWA) 311: Sodium Hydroxide (RQ 1000 lbs)

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

**State Regulations**

California prop. 65: No products were found.

**Section 16. Other Information**

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