

# TECHNICAL DATA SHEET

## MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Citsol  
IDENTIFICATION

PRODUCT

NUMBER(PIN) L500F series

PRODUCT USE: Multi-Purpose Industrial Degreaser (Aerosol)

Manufacturers Name: Envirosafe Chemicals Canada

Address: PO Box 1792 – 10011 Thatcher Avenue

City: North Battleford

Province: SK

Postal Code: S9A 3W8

Tel: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES)
TLV (ACGIH)				
2-Butoxyethanol	30-60	111-76-2	320 mg/kg oral rat	450ppm/4hr rat
D'limonene	30-60	5989-27-5	4400 mg/kg oral rat	not available
Nonylphenoxypoly Ethanol	10-30	9016-45-9	3000 mg/kg oral rat	Not Available

### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: aerosol  
available

ODOUR AND APPEARANCE:

ODOUR THRESHOLD (PPM): Not

colourless lemon/orange odour

VAPOUR PRESSURE: MMHG/20°C: 1-2 (MMHG)  
(mm Hg)

VAPOUR DENSITY: N/A  
(AIR=1) 4.7

EVAPORATION RATE: <0.1

BOILING POINT (°C): 176.C (348.8F)°F

FREEZING POINT (°C): N/A

pH: (1% sol/water)

SPECIFIC GRAVITY: 0.840 (water=1)

COEFF. WATER/OIL DIST.: Not available

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes IF YES UNDER WHICH CONDITION? May form flammable mixture  
MEANS OF EXTINCTION: Water spray, foam, CO2 dry chemicals FLASHPOINT (°C) AND METHOD: Closed  
(115°F) Pensky Martens cup: 46.111C  
Open flame, sparks excessive heat

UPPER FLAMMABLE LIMIT (% BY VOLUME): 6.5

LOWER FLAMMABLE LIMIT (% BY VOLUME): .7

AUTOIGNITION TEMPERATURE (°C): 250°F  
Hydrocarbon  
monoxide were  
is complete

HAZARDOUS COMBUSTION PRODUCTS:  
fumes and smoke, carbon  
combustion

EXPLOSION DATA SENSITIVITY TO IMPACT: Not Applicable SENSITIVITY TO STATIC DISCHARGE: Not  
Applicable  
When heated product may release ignitable vapors.

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable under most conditions  
IF NO UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: Yes, strong oxidizing agents, Halogens, Vinyl  
Chloride.

REACTIVITY, AND UNDER WHAT CONDITIONS: Do not expose to strong oxidizers perchloric acid.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon fumes smoke, carbon monoxide where conditions  
are incomplete and unidentified organic compounds in black smoke.

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE January 1, 2011

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ENVIROSAFE CHEMICALS CANADA

PO Box 1792 -10011 Thatcher Avenue North Battleford SK S9A 3W8

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# TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA

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PRODUCT IDENTIFICATION: CITSOL AEROSOL

Industrial Degreaser (Aerosol)

## SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT: X SKIN ABSORPTION: X EYE CONTACT: X INHALATION: X  
INGESTION: X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Moderate skin, throat, respiratory passage, and eye irritation is probable

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: skin-prolonged or repeated exposure can cause skin drying.

EXPOSURE LIMITS: TLV-TWA for butoxyethanol is 20ppm for an 8 hr period.

IRRITANCY OF PRODUCT: moderate

SENSITISATION OF PRODUCT: repeated or prolonged contact may cause allergic response.

CARCINOGENICITY: This material is not considered to be a carcinogen by the National toxicology program, the International agency for Research on cancer.

TERATOGENICITY: no data available

REPRODUCTIVE TOXICITY: no data available

MUTAGENICITY: no data available

SYNERGISTIC PRODUCTS: not applicable

This product is considered to be Biodegradable

## SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: not normally required

GLOVES: PVA, PVC or latex rubber  
splash

RESPIRATOR: dust mask if misty

EYE: chemical

Viton, nitrile.

Conditions prevail

goggles

FOOTWEAR: Rubber boots  
bath

CLOTHING: Trousers/Coveralls/apron OTHER: eye

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): general ventilation normally adequate.

LEAK AND SPILL PRODUCE: small spills-wipe up material with paper rags and dispose of in closed metal waste container. Large spills-use flammable absorbent, keep from flame or sparks. Avoid inhalation and skin contact.

WASTE DISPOSAL: Review all Federal, Provincial and local government requirements prior to disposal.

HANDLING PROCEDURES AND EQUIPMENT: use solvent resistant materials in storage and handling. Keep away from heat, sparks and open flames.

STORAGE REQUIREMENTS: store in closed container, away from incompatible materials. Store in a cool, dry, well ventilate area.

SPECIAL SHIPPING INFORMATION: combustible liquid n.o.s. class n.r.p.g: III product identification #.

Label as "Consumer Commodity"

## SECTION 8-FIRST AID MEASURES

EYE: Immediately flush with water for 15 minutes. Call a physician

SKIN: Flush with water. Call a doctor if irritation develops

INHALATION: remove to fresh air if symptoms persist, call a physician

INGESTION: do not induce vomiting. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If conscious, give lots of water or milk. Call a physician.

## SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE January 1, 2011

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ENVIROSAFE CHEMICALS CANADA

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# TECHNICAL DATA SHEET

## MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Citsol (Organic Cleaner)  
Heavy Duty Cleaner Degreaser

PRODUCT IDENTIFICATION  
CODE L500M

PRODUCT USE: (Bulk MSDS)

Manufacturers Name: Envirosafe Chemicals Canada  
Address: PO Box 1792 – 10011 Thatcher Avenue  
City: North Battleford Province: SK Postal Code: S9A 3W8 Tel: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT	LC OF INGREDIENT
			(SPECIFY SPECIES AND ROUTE)	(SPECIFY SPECIES)
D'limonene	70-80	005989-27-5	Oral (rat)4400 mg/kg	Rabbit >5000mg/kg

Non-Hazardous Ingredients balance (This is not a WHMIS Controlled Product)

### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Liquid  
available

ODOUR AND APPEARANCE: colourless lemon/orange odour

ODOUR THRESHOLD (PPM): Not available

VAPOUR PRESSURE: 1.2MM of Hg (@20C)  
(mm Hg)

VAPOUR DENSITY: N/A  
(AIR=1)

EVAPORATION RATE: <0.1

BOILING POINT (°C): 176.C (348.8F)°F

FREEZING POINT (°C): N/A

pH: (1% sol/water)

SPECIFIC GRAVITY: 0.84 (water=1)

COEFF. WATER/OIL DIST.: Not available

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes

IF YES UNDER WHICH CONDITION? Open flame, sparks excessive heat

MEANS OF EXTINCTION: Water spray, foam, CO2 dry chemicals

FLASHPOINT (°C) AND METHOD: Closed cup: 46.111C (115°F)

UPPER FLAMMABLE LIMIT (% BY VOLUME): 6%

LOWER FLAMMABLE LIMIT (% BY VOLUME): 1%

AUTOIGNITION TEMPERATURE (°C): 458°F

HAZARDOUS COMBUSTION PRODUCTS: Hydrocarbon fumes and smoke, carbon monoxide were is complete combustion

EXPLOSION DATA SENSITIVITY TO IMPACT: Not Applicable

SENSITIVITY TO STATIC DISCHARGE: N/A

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable under most conditions

IF NO UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: Strong oxidizing agents

REACTIVITY, AND UNDER WHAT CONDITIONS: Not available

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon fumes smoke, carbon monoxide where conditions are incomplete.

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE January 1, 2011

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# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA

pg2

PRODUCT IDENTIFICATION: CITSOL Heavy Duty Cleaner Degreaser

### SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT: x SKIN ABSORPTION: May cause irritation EYE CONTACT: May cause irritation

INHALATION: May cause irritation INGESTION: May cause nausea, vomiting and weakness

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Moderate skin, throat, respiratory passage, and eye irritation are probable

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Skin-prolonged or repeated exposure can cause skin drying.

EXPOSURE LIMITS: None reported

IRRITANCY OF PRODUCT: Moderate

SENSITIZATION OF PRODUCT: Repeated or prolonged contact may cause allergic response.

CARCINOGENICITY: This material is not considered to be a carcinogen by the National Toxicology program. The International agency for Research on cancer.

TERATOGENICITY: No data available

REPRODUCTIVE TOXICITY: No data available

MUTAGENICITY: No data available, no effects are anticipated SYNERGISTIC PRODUCTS: None known

### SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Not normally required

GLOVES: PVA, PVC or latex rubber  
Viton, Nitrile

RESPIRATOR: dust mask if misty  
conditions prevail

EYE: Chemical  
goggles

FOOTWEAR: Rubber boots

CLOTHING: Trousers/apron

OTHER: Eye bath

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): general ventilation normally adequate.

LEAK AND SPILL PRODUCE: Small spills-wipe up material with paper rags and dispose of in closed metal waste container. Large spills-use flammable absorbent, keep from flame or sparks.

WASTE DISPOSAL: Review Federal, Provincial and local government requirements prior to disposal

HANDLING PROCEDURES AND EQUIPMENT: Use solvent resistant materials in storage and handling. Keep away from heat, sparks and flames. Do not place in hot water.

STORAGE REQUIREMENTS: Store in closed container, away from incompatible materials. Do not cut, drill or weld on or near this container. Store in a well ventilated area below 50°C.

SPECIAL SHIPPING INFORMATION: Combustible liquid n.o.s. class n.r.p.g.:III product indent no. DSS200AR Label as "Consumer Commodity"

### SECTION 8-FIRST AID MEASURES

EYE: Immediately flush with water for 15 minutes. Call a physician

SKIN: Flush with water. Call a physician if irritation develops.

INHALATION: Remove to fresh air if symptoms persist, call a physician

INGESTION: Do not induce vomiting. Contact a doctor immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If conscious, give lots of water or milk. Call a physician

### SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE January 1, 2011

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# TECHNICAL DATA SHEET

## MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Citisol (Contact Cleaner) Bulk

PRODUCT IDENTIFICATION  
NUMBER (PIN) CS100AEROSOL

PRODUCT USE: Cleaner (Bulk MSDS)

Manufacturers Name: Envirosafe Chemicals Canada

Address: PO Box 1792 – 10011 Thatcher Avenue

City: North Battleford Province: SK Postal Code: S9A 3W8 Tel: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS TLV (ACGIH)	%	CAS NUMBER	LD50 OF INGREDIENT	LC OF INGREDIENT
		(SPECIFY SPECIES AND ROUTE)	(SPECIFY SPECIES)	
D'limonene	70-80	005989-27-5	Oral (rat) 4400 mg/kg	Rabbit >5000mg/kg
Carbon Dioxide	1-5	125-38-9	None	None

### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: aerosol available ODOUR AND APPEARANCE: colourless lemon/orange odour ODOUR THRESHOLD (PPM): Not available

VAPOUR PRESSURE: 1.2MM of Hg (@20C) (mm Hg) VAPOUR DENSITY: N/A (AIR=1) EVAPORATION RATE: <0.1

BOILING POINT (°C): 176.C (348.8F)°F FREEZING POINT (°C): N/A pH: (1% sol/water)

SPECIFIC GRAVITY: 0.84 (water=1) COEFF. WATER/OIL DIST.: Not available

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes IF YES UNDER WHICH CONDITION? Open flame, sparks excessive heat

MEANS OF EXTINCTION: Water spray, foam, CO2 dry chemicals FLASHPOINT (°C) AND METHOD: Closed cup: 46.111C (115°F)

UPPER FLAMMABLE LIMIT (% BY VOLUME): 6% LOWER FLAMMABLE LIMIT (% BY VOLUME): 1%

AUTOIGNITION TEMPERATURE (°C): 458°F HAZARDOUS COMBUSTION PRODUCTS: Hydrocarbon fumes and smoke, carbon monoxide were combustion is complete

EXPLOSION DATA SENSITIVITY TO IMPACT: Not Applicable SENSITIVITY TO STATIC DISCHARGE: Not Applicable

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable under most conditions

IF NO UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: Not applicable

REACTIVITY, AND UNDER WHAT CONDITIONS: Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon fumes smoke, carbon monoxide where conditions are incomplete.

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE January 1, 2011

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# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA

pg2

PRODUCT IDENTIFICATION: CITSOL AEROSOL (Contact Cleaner)

### SECTION 6-TOXICOLOGICAL PROPERTIES

#### ROUTE OF ENTRY:

SKIN CONTACT: x SKIN ABSORPTION: May cause irritation EYE CONTACT: May cause irritation

INHALATION: May cause irritation INGESTION: May cause nausea, vomiting and weakness

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Moderate skin, throat, respiratory passage, and eye irritation are probable

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Skin-prolonged or repeated exposure can cause skin drying.

EXPOSURE LIMITS: None reported

IRRITANCY OF PRODUCT: Moderate

SENSITIZATION OF PRODUCT: Repeated or prolonged contact may cause allergic response.

CARCINOGENICITY: This material is not considered to be a carcinogen by the National Toxicology program. The International agency for Research on cancer.

TERATOGENICITY: No data available

REPRODUCTIVE TOXICITY: No data available

MUTAGENICITY: No data available, no effects are anticipated

SYNERGISTIC PRODUCTS: None known

### SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Not normally required

GLOVES: PVA, PVC or latex rubber

RESPIRATOR: dust mask if misty

EYE: Chemical splash

conditions prevail

goggles

FOOTWEAR: Rubber boots

CLOTHING: Trousers/apron

OTHER: Eye bath

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): general ventilation normally adequate.

LEAK AND SPILL PRODUCE: Small spills-wipe up material with paper rags and dispose of in closed metal waste container. Large spills-use flammable absorbent, keep from flame or sparks.

WASTE DISPOSAL: Review Federal, Provincial and local government requirements prior to disposal

HANDLING PROCEDURES AND EQUIPMENT: Use solvent resistant materials in storage and handling.

Keep away from heat, sparks and flames. Do not place in hot water.

STORAGE REQUIREMENTS: Store in closed container, away from incompatible materials. Do not cut, drill or weld on or near this container. Store in well ventilated area below 50°C.

SPECIAL SHIPPING INFORMATION: Combustible liquid n.o.s. class n.r.p.g.:III product indent no. DSS200AR Label as "Consumer Commodity"

### SECTION 8-FIRST AID MEASURES

EYE: Immediately flush with water for 15 minutes. Call a physician

SKIN: Flush with water. Call a physician if irritation develops.

INHALATION: Remove to fresh air if symptoms persist, call a physician

INGESTION: Do not induce vomiting. Contact a doctor immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If conscious, give lots of water or milk. Call a physician

### SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE January 1, 2011

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