

# Material Safety Data Sheet

# Anderol 750

## Section 1. Chemical Product and Company Identification

Common Name

Anderol 750 (Oerlikon Leybold HE-750) MSDS#

0810750 BL-23

Supplier

Anderol Inc. 215 Merry Lane

East Hanover, NJ 07936 Tel: (973) 887-7410 Fax: (973) 887-8422

Synonym Trade Name Not available.

Anderol 750

Material Uses Manufacturer Lubricant. Anderol Inc.

215 Merry Lane

East Hanover, NJ 07936 Tel: (973) 887-7410 Fax: (973) 887-8422

Validation Date

1/30/2003.

Print Date

: 1/30/2003.

In Case of Emergency

CHEMTREC: 800-424-9300

(United States).

#### Section 2. Composition, Information on Ingredients

Name

CAS#

% by Weight

**UN Number** 

Diphenylamine

122-39-4

0.1-1

Not applicable.

This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada, the NOM-018-STPS-2000 in Mexico and Brazil NBR 14725:2001.

See Section 8 for Exposure Limits. See Section 11 for Toxicological Data.

#### Section 3. Hazards Identification

Physical State and Appearance: Liquid. (Oily liquid)

**Emergency Overview** 

: CAUTION !

BIRTH DEFECT HAZARD

CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECT.

Avoid exposure during pregnancy.

Routes of Entry

Ingestion.

Potential Acute Health Effects

Eyes: Non-irritating to the eyes.

Skin: Non-irritant for skin. Non-sensitizer for skin.

Inhalation: Not available. Ingestion: Not available.

Potential Chronic Health

by Overexposure

Effects

: Carcinogenic Effects: Not applicable. Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Medical Conditions Aggravated: Repeated or prolonged exposure to the substance can produce reproductive system damage.

Overexposure /Signs/Symptoms : Not available.

See Toxicological Information (Section 11)

#### Section 4. First Aid Measures

**Eye Contact** 

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact

: In case of contact, immediately flush skin with plenty of water. Get medical attention, of contact, immediately flush skin with plenty of water.

Inhalation

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

Continued on Next Page

Contribed on Vext Page

Anderol 750 Page: 2/5

Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Have conscious person drink several glasses of water or milk.

Notes to Physician

: Not available.

#### Section 5. Fire Fighting Measures

Flammability of the Product

: May be combustible at high temperature.

**Autoignition Temperature** 

Not available.

Flash Points

OPEN CUP: 254.44°C (490°F) (Cleveland.).

Flammable Limits

Not available.

**Products of Combustion** 

These products are carbon oxides (CO, CO<sub>2</sub>). Thermal decomposition products are dependent on temperature conditions.

Fire Hazards in Presence of Various Substances

· Not available

Explosion Hazards in Presence

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

of Various Substances Fire Fighting Media and Instructions

SMALL FIRE: Use dry chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire)

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure

to use a MSHA/NIOSH approved respirator or equivalent.

Special Remarks on Fire Hazards

: Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with

#### Section 6. Accidental Release Measures

Small Spill and Leak

: Absorb with an inert material and put the spilled material in an appropriate waste disposal

Large Spill and Leak

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain. Note: See section 8 for personal protective equipment and section 13 for waste disposal.

#### Section 7. Handling and Storage

Handling

Avoid breathing vapors or spray mists. After handling, always wash hands thoroughly with soap and water. Avoid contact with eyes, skin and clothing. Use with adequate ventilation.

Storage

: Keep container tightly closed. Store in a dry, cool and well-ventilated area.

## Section 8. Exposure Controls, Personal Protection

**Engineering Controls** 

: Good general ventilation should be sufficient to control airborne levels. Ensure that eyewash stations and safety showers are proximal to the work-station on location.

Personal Protection

Eyes: Safety glasses. Body : Lab coat.

Respiratory: A respirator is not needed under normal and intended conditions of product use

Hands: Chemical resistant gloves.

Feet : Shoes.

Protective Clothing (Pictograms)



Large Spill

Personal Protection in Case of a : Splash goggles. Full suit. Vapor respirator. Boots. Chemical resistant gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

Commission on Next Pag-

Exposure Limits Diphenylamine

ACGIH TLV (United States, 2001). Notes: 1996 Adoption Refers to Appendix A --Carcinogens. TWA: 10 mg/m3

NIOSH REL (United States, 2001). TWA: 10 mg/m3 Period: 10 hour(s) OSHA PEL 1989 (United States, 1989).

TWA: 10 ppm

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and Chemical Properties

Physical State and appearance: Liquid. (Oily liquid) Amber. (Light.) Color

Odor

Not applicable. Molecular Weight Molecular Formula Not applicable. pH (1% Soln/Water) Not available. Boiling/Condensation Point >348.89°C (660°F) Pourpoint : Not available. Specific Gravity : 0.96 (Water = 1)

: <0.001 kPa (<0.01 mmHg) (at 20°C) Vapor Pressure

Vapor Density >1 (Air = 1) Volatility Not available. Not available. **Odor Threshold** Not available. **Evaporation Rate** VOC Not available. Not available. Viscosity LogKow Not available.

Solubility Very slightly soluble in cold water, hot water

### Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions of Instability Not available.

: Reactive with oxidizing agents. Incompatibility with Various

Substances

**Hazardous Decomposition** : Not available.

Products

: Will not occur. Hazardous Polymerization

## Section 11. Toxicological Information

**Toxicity Data** 

Ingredient Name Species Test Result Route Diphenylamine LD50 1120 mg/kg Oral Rat Guinea pig LD50 300 mg/kg Oral Mouse LD50 1230 mg/kg Oral

DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male Chronic Effects on Humans

[PROVEN] [Diphenylamine].

Other Toxic Effects on Humans: Non-irritant for skin. Non-sensitizer for skin. Non-irritating to the eyes.

Special Remarks on Toxicity to : Not available.

Animals

Special Remarks on Other Toxic: Not available.

Effects on Humans

## Section 12. Ecological Information

**Ecotoxicity Data** 

Period Result Ingredient Name Species Not available. Not available. Diphenylamine

Not available. BOD and COD Not available. Biodegradable/OECD Not available. Mobility Not available. **Products of Degradation** 

Toxicity of the Products of

Biodegradation

Special Remarks on the Products of Biodegradation : The product itself and its products of degradation are not toxic.

: Not available.

Continued on Next Page

Anderol 750 Page: 4/5

## Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations, Incinerate waste materials

Consult your local or regional authorities.

## Section 14. Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Label	Additional Information
United States (DOT)	Not regulated.	-	-			-
Canada (TDG)	Not regulated.	-	*1			-
Mexico (NOM-004-SCT2-1994)	Not regulated.	•	-			-
Brazil	Not regulated.	-	-			
IMDG Code	Not regulated.	-	-			-
IATA-DGR Class	Not regulated.	-	-			-

NAERG : Not applicable.

## Section 15. Regulatory Information

**HCS Classification** 

: Class: Target organ effects.

**U.S. Federal Regulations** 

: TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No ingredient was found. SARA 302/304 emergency planning and notification: No ingredient was found.

SARA 302/304/311/312 hazardous chemicals: Diphenylamine

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Diphenylamine: Immediate (Acute)

Health Hazard, Delayed (Chronic) Health Hazard

SARA 313 toxic chemical notification and release reporting: No ingredient was found.

Clean Water Act (CWA) 307: No ingredient was found. Clean Water Act (CWA) 311: No ingredient was found.

Clean Air Act (CAA) 112 accidental release prevention: No ingredient was found. Clean Air Act (CAA) 112 regulated flammable substances: No ingredient was found.

Clean Air Act (CAA) 112 regulated toxic substances: No ingredient was found.

State Regulations

: Pennsylvania RTK: Diphenylamine: (environmental hazard, generic environmental hazard)

Massachusetts RTK: Diphenylamine New Jersey: Diphenylamine

California Prop. 65: This product contains the following ingredients for which the State of California has found to

cause birth defects which would require a warning under the statute: Diphenylamine

WHMIS (Canada)

: Class D-2A: Material causing other toxic effects (VERY TOXIC).

CEPA DSL: All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA, the Mexican NOM -018-STPS-2000 and the Brazilian NBR 14725:2001. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1, NOM -018-STPS-2000 and NBR

14725:2001.

Hazardous Ingredients Classification of the Degree of Risk (Mexico) Ingredient Name Diphenylamine Flammability

Reactivity

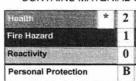
ther

#### Section 16. Other Information

Label Requirements

: BIRTH DEFECT HAZARD CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECT.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



References

-Manufacturer's Material Safety Data Sheet. -Material Safety Data Sheet issued by: la Commission de la Santé et de la Sécurité du Travail du Québec. -Canada Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List". -Provisional Domestic Substances List, Canadian Ennvironmental Protection Act, Volume 1-Registry Number Index, April 1990; Environment Canada. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994. - "Regulations respecting the handling, offering for transport and transporting of dangerous goods." Extract from the Canada Gazette Part II, dated February 6, 1985. Registration SOR/85-77 18 January, 1985. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

Other Special Considerations

: Not available.

Responsible Name

Mr. Max Naggar

Date of Printing

1/30/2003.

Date of Issue

1/30/2003.

Date of Previous Issue

No Previous Validation.

Version

#### Notice to Reader

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.