

# SAFETY DATA SHEET

## MATERIAL SAFETY DATA SHEET

Last changed: 01/11/2005

Internal No.:

Replaces date: 20/08/2003

**252090 / 250-21050 (LAERDAL AIRWAY LUBRICANT)**

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

TRADE NAME	252090 / 250-21050 (LAERDAL AIRWAY LUBRICANT)
APPLICATION	Lubricant.

#### Producer/Importer

Company	Laerdal Medical AS
Address	Pb. 377 Sentrum
Postal code	N-4002 Sløvanger
Country	Norway
Telephone	+ 47 51 51 17 00
Fax	+ 47 51 52 35 57

#### Emergency Telephones

Emergency Phone	Information
+44 08 45 46 47	NHS Direct

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	glycerol	200-289-5	56-81-5	60 - 100 %	No classification required
2	water	231-791-2	7732-18-5	10 - 30 %	No classification required

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Carc. = Carcinogenic, Mut. = Mutagenic, Repr. = Reproductive

### 3. HAZARDS IDENTIFICATION

#### HEALTH

May be irritating to eyes. May cause irritation to the respiratory system.

#### FIRE AND EXPLOSION

Not flammable, but combustible.

#### ENVIRONMENT

Not regarded as dangerous for the environment.

### 4. FIRST AID MEASURES

#### INHALATION

Provide rest, warmth and fresh air. Seek medical attention if any signs of unconsciousness or discomfort develop.

#### SKIN CONTACT

Remove contaminated clothing, watches etc. Rinse with water. Get medical advice if discomfort develops.

#### EYE CONTACT

Flush immediately with a soft jet of lukewarm water, also under the eyelids. Remove any contact lenses. Contact physician if irritation persists.

**SAFETY DATA SHEET**  
**MATERIAL SAFETY DATA SHEET**

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**252090 / 250-21050 (LAERDAL AIRWAY LUBRICANT)**

**INGESTION**

Do not induce vomiting. Give 1-2 glasses of water to drink if the affected person is fully conscious. Get medical advice.

**5. FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Fire may be extinguished with: CO<sub>2</sub>, dry chemical, water fog.

**IMPROPER EXTINGUISHING MEDIA**

Avoid applying water directly to the fire in solid streams; will spread the fire.

**EXTINGUISHING METHODS**

Protect against heat, use water to cool containers. Move container from fire area if it can be done without risk. Fight fire from a well-protected position.

**FIRE AND EXPLOSION HAZARDS**

Not flammable, but combustible. Fire or high temperatures may cause formation of: Oxides of carbon (COX), Acraldehyde.

**PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS**

General: Evacuate all personnel, use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Provide good ventilation. Wear necessary protective equipment.

**ENVIRONMENTAL PRECAUTIONS**

Prevent discharges into watercourses and lakes.

**METHODS FOR CLEANING UP**

Stop leak if possible without risk. Spillage may be pumped up or absorbed with dry, inert material such as sand, earth etc. Wipe up small amounts with rags/paper towels.

Store collected material in tightly closed, labelled containers and treat as directed in "Disposal considerations", section 13. Flush clean with large amounts of water. Be aware of risk of slippery surfaces.

**7. HANDLING AND STORAGE**

**HANDLING ADVICE**

Avoid heat, sparks and open flame. Avoid direct contact. Use personal protective equipment as specified in section 8.

**STORAGE**

Store tightly closed in a dry, cool and well-ventilated place. Store away from oxidizing agents.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**EXPOSURE CONTROL**

Provide good ventilation. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing. Emergency shower and eyewash facilities should be available at the workplace.

**RESPIRATORY PROTECTION**

If ventilation is insufficient, use a respirator with A/P2 filter.

**EYE PROTECTION**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**HAND PROTECTION**

Use protective gloves of: Natural rubber (latex). Nitrile rubber. Neoprene rubber. Break-through time: >8 hours.

**PROTECTIVE CLOTHING**

Wear long-armed protective clothing for protection against possible skin contact.

**OEL value**

Ingredient name	Cas nr.	Interval	ppm	mg/m3	Year	Notes
Glycerol, mist		8 h		10,0	2005	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State                      Liquid.  
 Colour                                Colourless.  
 Odour                                 Odourless.  
 Water solubility                    Completely soluble in water.

**Physical and chemical parameters**

Parameter	Value / Unit	Method	Note
pH in solution	~ 7		

**10. STABILITY AND REACTIVITY**

**STABILITY**

The product is stable during normal use and handling.

**CONDITIONS TO AVOID**

Heat. Decomposes when exposed to heat.

**MATERIALS TO AVOID**

Oxidizing compounds.

**11. TOXICOLOGICAL INFORMATION**

**INHALATION**

Vapour may irritate respiratory system or lungs.

**SAFETY DATA SHEET**  
**MATERIAL SAFETY DATA SHEET**

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Replaces date: 20/08/2003

**252090 / 250-21050 (LAERDAL AIRWAY LUBRICANT)**

**SKIN CONTACT**

May be irritating.

**EYE CONTACT**

Vapour or splashes in the eyes may cause irritation and smarting.

**INGESTION**

Ingestion of large quantity may cause:Diarrhoea.Headache.Dizziness.May have a numbing effect.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

No ecological effects are expected in normal use.

**MOBILITY**

Dissolves in water .

**DEGRADABILITY**

Expected to be readily biodegradable.

**ACCUMULATION**

Bioaccumulation improbable.

**CONCLUSION**

Prevent discharges into nature.

**13. DISPOSAL CONSIDERATIONS**

**GENERAL REGULATIONS**

Larger quantities of spills/residues should be delivered to approved waste recipient or to recycling if such facilities exist. Containers should be emptied and removed according to local regulations, or reused without removing the label.

**CATEGORY OF WASTE**

EWC must be evaluated at the end of usage, possibly EWC: 07 01 99 wastes not otherwise specified

**14. TRANSPORT INFORMATION**

Classified as Dangerous Goods:  Yes  No  N/A

**OTHER INFORMATION**

Not considered as dangerous goods under ADR, RID, IMDG and IATA.

**15. REGULATORY INFORMATION**

EC-Label  No  Yes  N/A

**COMPOSITION**

glycerol (60 - 100 %), water (10 - 30 %)

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**REFERENCES**

Directive 1999/45/EC.

Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances.

Directiv 2001/58/EC (91/155/EEC).

European Waste Catalogue (EWC 2002).

Regulations relating to transport of dangerous goods: ADR, RID, IMDG and IATA/ICAO.

Occupational exposure limits (EH40/2002 )

**16. OTHER INFORMATION**

**INFORMATION SOURCES**

MSDS form producer (27/01/2003).

**VENDOR NOTES**

The material safety data sheet is quality assured by Pride Chess in accordance with Norwegian regulations. Pride Chess applies a quality assurance system in accordance with ISO 9001:2000.

Revised by: Solvor Hetlelid

Pride Chess is not responsible for any incorrect information from the producer of this product.

ISSUED: 20/08/2003

**REVISION HISTORY**

Version	Rev. date	Responsible	Changes
1.0.0	20/08/2003	Marta Teigland	Preparation
2.0.0	01/11/2005	Solvor Hetlelid	Revision, regulations

**SDS prepared by**

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