

# SAFETY DATA SHEET

## MATERIAL SAFETY DATA SHEET

Last changed: 01/11/2005

Internal No.: 152400

Replaces date: 02/08/2004

### 152400 (Resusci Manikin Wipes)

#### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**TRADE NAME** 152400 (Resusci Manikin Wipes)**APPLICATION** Wet wipes.**Art. no.**

152400

**Producer/importer****Company** Laerdal Medical AS**Address** Pb. 377 Sentrum**Postal code** N-4002 Stavanger**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.<br>(wt%) | Classification |
|----|------------------------|-----------|---------|----------------|----------------|
| 1  | ethanol, ethyl alcohol | 200-578-6 | 64-17-5 | 60 - 100 %     | F,R11          |
| 2  | diethyl phthalate      | 201-550-6 | 84-66-2 | 1 - 5 %        |                |

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

**INGREDIENT COMMENTS**

R-phrases mentioned in section 2 are listed up in section 16 with complete text.

#### 3. HAZARDS IDENTIFICATION

**HEALTH**

May be irritating to eyes. Protracted or repeated contact may irritate the skin.

**FIRE AND EXPLOSION**

Flammable.

**ENVIRONMENT**

Not regarded as dangerous for the environment.

#### 4. FIRST AID MEASURES

**INHALATION**

Not relevant.

**SKIN CONTACT**

Wash skin thoroughly with soap and water.

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#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open). Get medical attention if any discomfort continues.

#### INGESTION

Apart from intentional ingestion, swallowing of major quantities is improbable.

Do not induce vomiting. Immediately give a glass of water if the injured person is conscious. Get medical attention.

### 5. FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Can be extinguished with water, powder, alcohol-resistant foam or carbon dioxide.

#### EXTINGUISHING METHODS

Protect against heat, use water to cool containers. Move container from fire area if it can be done without risk. If possible, fight fire from protected position.

#### FIRE AND EXPLOSION HAZARDS

Flammable. In the event of a fire, carbon monoxide and carbon dioxide are emitted.

#### PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

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

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Eliminate all sources of ignition. Provide good ventilation.

#### METHODS FOR CLEANING UP

Collect and reclaim or dispose in sealed containers in licensed waste.

### 7. HANDLING AND STORAGE

#### HANDLING ADVICE

Provide good ventilation. No smoking. Eliminate all sources of ignition. Avoid inhalation of vapours. Avoid contact with eyes. Take precautionary measures against static discharges.

#### STORAGE

Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in original container. Keep out of the reach of children.

### 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. Eye wash facilities and emergency shower must be available when handling this product.

#### RESPIRATORY PROTECTION

No respirator is normally needed.

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#### EYE PROTECTION

Not relevant.

#### HAND PROTECTION

Protective gloves (butyl rubber, fluorocarbon rubber).

#### OEL value

| Ingredient name        | Cas nr. | Interval | ppm    | mg/m3  | Year | Notes |
|------------------------|---------|----------|--------|--------|------|-------|
| ethanol, ethyl alcohol | 64-17-5 | 8 h      | 1000,0 | 1920,0 | 2005 |       |
| diethyl phthalate      | 84-66-2 | 8 h      |        | 5,0    | 2005 |       |
| diethyl phthalate      | 84-66-2 | 15 min.  |        | 10,0   | 2005 |       |

#### RECOMENDED MONITORING PROCEDURES

When evaluating exposure, consider suitable method for sampling, and evaluate if stationary or mobile sampling is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Napkin.  
**Colour** White.  
**Odour** Alcohol.

#### Physical and chemical parameters

| Parameter   | Value / Unit | Method  | Note |
|-------------|--------------|---------|------|
| Flash point | 29 °C        | Ethanol |      |

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable under recommended storage and handling conditions.

#### CONDITIONS TO AVOID

Avoid heat, sparks and open flame.

#### MATERIALS TO AVOID

Avoid contact with strong oxidisers.

### 11. TOXICOLOGICAL INFORMATION

#### INHALATION

Inhalation of high concentrations may have a numbing effect and may irritate the mucous membranes of the respiratory organs.

#### SKIN CONTACT

May be irritating on protracted or repeated exposure.

#### EYE CONTACT

May be irritating. May cause redness and itching.

#### INGESTION

Apart from intentional ingestion, swallowing of major quantities is improbable. May be irritating in the mouth, gullet and gastrointestinal system.

### 12. ECOLOGICAL INFORMATION

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### 152400 (Resusci Manikin Wipes)

#### ECOTOXICITY

Not regarded as dangerous for the environment.

#### CONCLUSION

Prevent discharges into the sewage system, watercourses or ground.

#### 13. DISPOSAL CONSIDERATIONS



#### GENERAL REGULATIONS

Treat as dangerous waste. Collect and reclaim or dispose in sealed containers in licensed waste.

Empty packages must be handled in an environmentally-correct manner as per the applicable laws and regulations.

#### CATEGORY OF WASTE

EWC must be evaluated at the end of usage, possibly EWC: 07 06 99 wastes not otherwise specified

#### 14. TRANSPORT INFORMATION

Classified as Dangerous Goods:  Yes  No  N/A

UN No.: 3175

#### PROPER SHIPPING NAME

Solids containing flammable liquid, n.o.s. (Ethanol. )

#### ADR/RID

|              |     |                |    |
|--------------|-----|----------------|----|
| Class:       | 4.1 | Packing group: | II |
| Danger form: | 4.1 |                |    |
| Hazard Id:   | 40  |                |    |

Flammable solid, or self-reactive substance, or self-heating substance.

#### IMDG

|                   |     |                |          |
|-------------------|-----|----------------|----------|
| Class:            | 4.1 | Packing group: | II       |
| Sub Risk:         | -   | EMS:           | F-A, S-I |
| Marine Pollutant: | -   |                |          |

#### IATA

|           |              |                |    |
|-----------|--------------|----------------|----|
| Class:    | 4.1          | Packing group: | II |
| Sub Risk: | -            |                |    |
| Label:    | Flamm. solid |                |    |

#### 15. REGULATORY INFORMATION

EC-Label  No  Yes  N/A

#### COMPOSITION

ethanol, ethyl alcohol (60 - 100 %), diethyl phthalate (1 - 5 %)

#### R-PHRASES

| Nr. | R-Phrase text |
|-----|---------------|
| R10 | Flammable.    |

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#### S-PHRASES

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

S16 Keep away from sources of ignition - No smoking.

#### 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 (EH40/2005 )

#### 16. OTHER INFORMATION



#### INFORMATION SOURCES

SDS from producer (27.02.2000)

#### 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.

#### LIST OF RELEVANT R-PHRASES

| Nr. | R-Phrase text     |
|-----|-------------------|
| R10 | Flammable.        |
| R11 | Highly flammable. |

ISSUED: 17/03/2003

#### REVISION HISTORY

| Version | Rev. date  | Responsible         | Changes               |
|---------|------------|---------------------|-----------------------|
| 1.0.0   | 17/03/2003 | Kristin L. Dragsund | Preparation           |
| 2.0.0   | 27/01/2004 | John-Kåre Egeland   | Revision              |
| 3.0.0   | 02/08/2004 | John-Kåre Egeland   | Revision              |
| 4.0.0   | 01/11/2005 | Solvor Hetlelid     | Revision, regulations |

#### SDS prepared by

|             |                           |
|-------------|---------------------------|
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