

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Laundry liquid detergent Nordic Swan  
Revision date : 14.07.2014  
Print date : 14.07.2014

Version (Revision) : 4.0.1 (4.0.0)

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Laundry liquid detergent Nordic Swan (DETLAV 041-00)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Liquid laundry detergent in water soluble sachet

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Packaging Imolese S.p.A.

Street : via Filippo Turati, 22

Postal code/city : 40026 Imola

Telephone : 0542/689111

Information contact : info@packagingimolese.com

### 1.4 Emergency telephone number

CAV Niguarda 0266102766

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

#### Hazard classes and hazard categories

Skin Irrit. 2 · Eye Dam. 1

#### Classification according to Regulation (EC) No. 1999/45 [DPD]

Risk of serious eye damage

Xi ; R41

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Corrosion (GHS05)

##### Signal word

Danger

##### Hazard statements

H318 Causes serious eye damage.

H315 Causes skin irritation.

##### Precautionary statements

P102 Keep out of reach of children.

P103 Read label before use.

P101 If medical advice is needed, have product container or label at hand.

P280 Wear protective gloves/Protect the eyes/protect the face.

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER or a doctor  
P302+P352 IF ON SKIN: Wash with soap and water  
P362 Take off contaminated clothing. and wash before reuse  
**Special rules for supplemental label elements for certain mixtures**  
EUH208 Contains SUBTILISIN. May produce an allergic reaction.

### Additional information

Do not ingest

### 2.3 Other hazards

None

## SECTION 3: Composition / information on ingredients

**3.1 Substances:** This product is a mixture

### 3.2 Mixtures

#### Hazardous ingredients

FATTY ACID, VEGETABLE OIL. COMPDS WITH ETHANOLAMINE ; REACH registration No. : Not available ; EC No. : 272-199-4; CAS No. : 68783-56-2

Weight fraction : 20 - 25 %  
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318  
Classification 67/548/EEC: Xi ; R41

MEA-Lauryl sulfate ; REACH registration No. : Not available; EC No. : 225-214-3; CAS No. : 4722-98-9

Weight fraction : 15 - 20 %  
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315  
Classification 67/548/EEC: Xi ; R41 Xi ; R38

Alcohols, C12-18, ethoxylate ; REACH registration No. : Not available ; CAS No. : 68213-23-0

Weight fraction : 10 - 15 %  
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302  
Classification 67/548/EEC: Xi ; R41 Xn ; R22

SUBTILISIN ; REACH registration No. : 01-2119480434-38 ; EC No. : 232-752-2; CAS No. : 9014-01-1

Weight fraction : 0,1 - 0,5 %  
Classification 1272/2008 [CLP] : Acute Tox 4 ; H302 Resp. Sens. 1 ; H334 Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315  
STOT SE 3 ; H335 Aquatic Acute 1 ; H400  
Classification 67/548/EEC: Xn ; R22 R42 Xi ; R41 Xi ; R37/38 N ; R50

#### Additional information

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

#### In case of inhalation

Remove victim out of the danger area.

#### In case of skin contact

Wash immediately with: Water Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

#### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

Never give anything by mouth to an unconscious person or a person with cramps.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

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## 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Suitable extinguishing media alcohol resistant foam Carbon dioxide (CO<sub>2</sub>) Water mist

### 5.2 Special hazards arising from the substance or mixture

None

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

### 5.4 Additional information

Remove persons to safety.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Clear spills immediately. Wear a self-contained breathing apparatus and chemical protective clothing.

#### For non-emergency personnel

Remove persons to safety.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

#### For cleaning up

The contaminated area should be cleaned up immediately with: Water Retain contaminated washing water and dispose it.

#### Other information

Avoid generation of dust.

### 6.4 Reference to other sections

Reference to other sections Safe handling: see section 7 Personal protection equipment: see section 8

## SECTION 7: Handling and storage



### 7.1 Precautions for safe handling

#### Protective measures

##### Specific requirements or handling rules

Do not breathe gas/fumes/vapour/spray. See chapter 8.

#### Advices on general occupational hygiene

Handle with care - avoid bumps, friction and impact.

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## 7.2 Conditions for safe storage, including any incompatibilities

Only use containers specifically approved for the substance/product.

### Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Protect against UV-radiation/sunlight Humidity.

### Hints on joint storage

Storage class : 12

Storage class (TRGS 510) : 12

### Keep away from

Chemicals/products that react together readily

### Further information on storage conditions

Keep container tightly closed and in a well-ventilated place.

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

ETHANOL ; CAS No. : 64-17-5

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 500 ppm / 960 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 01.09.2012

### 8.2 Exposure controls

#### Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

#### Personal protection equipment



When using do not eat, drink, smoke, sniff.

#### Eye/face protection

##### Suitable eye protection

Eye glasses with side protection

#### Skin protection

##### Hand protection

Tested protective gloves must be worn

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Safety relevant basis data

Appearance :	Clear Liquid
Colour :	light yellow
Melting point/melting range :	No data available
Boiling temperature/boiling range ( 1013 hPa ) :	No data available
Decomposition temperature :	No data available

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Flash point :	No data available
Ignition temperature :	No data available
Flammability (solid, gas) :	No data available
Upper/lower flammability or explosive limits :	No data available
Explosive properties :	No data available
Vapour pressure : ( 50 °C )	No data available
Vapour density :	No data available
Density : ( 20 °C )	1,01 g/cm <sup>3</sup>
Solvent separation test : ( 20 °C )	No data available
Water solubility : ( 20 °C )	No data available
PH value : ( 20 °C / 20 g/l )	8 - 9
Octanol–water partition coefficient (log Pow):	No data available
Viscosity : ( 20 °C )	150 – 400 mPa.s
Evaporation Rate :	No data available
Oxidant properties	Dati non disponibili

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

See section 7. No additional measures necessary.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( Alcohols, C12-18, ethoxylate ; CAS No. : 68213-23-0 )
Exposure route :	Oral
Effective dose :	>< 5 - 2000 mg/kg
Method :	OECD 401
Parameter :	LD50 ( MEA-Lauryl sulfate ; CAS No. : 4722-98-9 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg

##### Acute dermal toxicity

##### Practical experience/human evidence

No information available.

#### Irritant and corrosive effects

##### Primary irritation to the skin

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Parameter : Primary irritation to the skin ( Alcohols, C12-18, ethoxylate ; CAS No. : 68213-23-0 )  
Result : Not Irritant  
Method : OECD 404

#### Practical experience/human evidence

No information available.

#### Irritation to eyes

Parameter : Irritation to eyes ( Alcohols, C12-18, ethoxylate ; CAS No. : 68213-23-0 )  
Result : Iris lesions.  
Method : OECD 405

## SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment.

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50 ( Alcohols, C12-18, ethoxylate ; CAS No. : 68213-23-0 )  
Species : Fish  
Effective dose : 1 - 10 mg/l  
Parameter : LC50 ( MEA-Lauryl sulfate ; CAS No. : 4722-98-9 )  
Species : Fish  
Effective dose : > 3 mg/l  
Exposure time : 96 h

##### Acute (short-term) daphnia toxicity

Parameter : EC50 ( Alcohols, C12-18, ethoxylate ; CAS No. : 68213-23-0 )  
Species : Daphnia  
Effective dose : 1 - 10 mg/l  
Parameter : EC50 ( MEA-Lauryl sulfate ; CAS No. : 4722-98-9 )  
Species : Daphnia  
Effective dose : > 10 mg/l  
Exposure time : 48 h

##### Acute (short-term) algae toxicity

Parameter : EC50 ( Alcohols, C12-18, ethoxylate ; CAS No. : 68213-23-0 )  
Species : Algae  
Effective dose : 1 - 10 mg/l  
Parameter : IC50 ( MEA-Lauryl sulfate ; CAS No. : 4722-98-9 )  
Species : Algae  
Effective dose : > 10 mg/l  
Exposure time : 72 h

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6 Other adverse effects

No information available.

### 12.7 Further ecological information

None

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste treatment options

##### Appropriate disposal / Product

Send to a hazardous waste incinerator facility under observation of official regulations. Evidence for disposal must be provided.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous goods in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU legislation

Classification 67/548/EEC : The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC). Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

### 15.2 Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

ADR: Accord européen relative au transport international des marchandises dangereuses par route  
ASTM: ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
EC50: Effective Concentration 50

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LC50:	Lethal Concentration 50
IC50:	Inhibitor Concentration 50
NOEL:	No Observed Effect Level
DNEL:	Derived No Effect Level
DMEL:	Derived Minimum Effect Level
CLP:	Classification, Labelling and Packaging
CSR:	Chemical Safety Report
LD50:	Lethal Dose 50
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
Codice IMDG:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
UE:	European Union
vPvB:	Very persistent very bioaccumulative
N.D.:	No data available.
N.A.:	Not applicable
VvWvS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VvWvS)

### 16.3 Key literature references and sources for data

None

### 16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life
22	Harmful if swallowed
37/38	Irritating to respiratory system and skin
38	Irritating to skin
41	Risk of serious eye damage
42	May cause sensitisation by inhalation
50	Very toxic to aquatic organism

### 16.6 Training advice

None

### 16.7 Additional information

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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