

## MATERIAL SAFETY DATA SHEET 19.5.2004

### 1. Name of product and company

Trade name: Cleaning wash 9700  
Supplier : SealEco  
P.O. Box 514  
SE-331 25 Värnamo  
Sweden  
Phone: +46 (0)370  
Fax: +46 (0)370  
E-mail: [info@sealeco.com](mailto:info@sealeco.com)

Issued by: Jörgen Skärin, +46 370

### 2. Composition/material classification

Chemical name	CAS no.	cont.%	Symbols; R-phrases
NAPHTHA (PETROLEUM), HYDROGEN PROCESSED LIGHT Of which n-hexane max 1% Benzene contain max 10 ppm	64742-49-0	100%	F,Xn,N;R11-65-67-38-51/53

### 3. Hazardous properties

R11 HIGHLY FLAMMABLE.  
R65 HAZARDOUS: CAN CAUSE LUNG DAMAGE IF SWALLOWED.  
R67 FUMES CAN CAUSE DROWSINESS.  
R38 SKIN IRRITANT.  
R51/53 TOXIC TO AQUATIC ORGANISMS, CAN CAUSE HARMFUL LONG-TERM EFFECTS IN THE  
AQUATIC ENVIRONMENT.

### 4. First aid

INHALATION: Fresh air and rest. If necessary give breathing assistance.  
SKIN CONTACT: Remove spattered clothing. Wash skin with soap and water. Contact doctor in the event of problems.  
SPLASHES IN EYES: Rinse with copious amounts of water for several minutes. Contact doctor for check-up.  
IF SWALLOWED: If possible, give the injured person a couple of tablespoonfuls of cream if he or she is fully conscious. Do NOT encourage vomiting. Take to hospital.  
Spattered clothing constitutes a fire risk!

MEDICAL INFORMATION: Risk of aspiration resulting in chemical lung inflammation.

### 5. Measures in the event of fire

HIGHLY FLAMMABLE: Even at temperatures significantly below room temperature, the fumes can create an explosion if mixed with air.  
EXTINGUISHING MEDIUM: Extinguish with powder, carbon dioxide or water in dispersed jet. Larger fires can be extinguished with water in a dispersed jet or with alcohol-resistant foam. Do NOT use a closed water jet. Containers in the vicinity of fire should be cooled with water mist.

## 6. Measures in the event of spillage/unintentional discharge

Note! Risk of ignition and explosion. Prevent discharge in drains. Contain and suck up with inert absorbent (sand, kieselguhr, universal bonding agent, etc). Do NOT use inflammable material. Contact the emergency services in the event of a major spillage.

## PRODUCT INFORMATION 19.5.2004

## 7. Handling and storage

Good ventilation - mechanical ventilation or spot suction may be required. Containers to be kept closed as far as possible. NO smoking, fire, sparks or welding. Ensure that vessels etc. are electrically earthed and avoid free falling jets. Use explosion-protected equipment. Fumes are heavier than air.

STORAGE: cool and well-sealed storage. Floors/Floor coverings should be close fitting and impervious to solvents. Take measures to prevent leakage to drains, watercourses, etc.

## 8. Restriction of exposure/personal protection measures

Observe applicable hygienic standards for heptanes. Avoid inhalation of fumes and skin contact.

PERSONAL PROTECTION EQUIPMENT: Use protective gloves made of e.g. nitrile or PVA. Use safety goggles where there is a risk of splashing. Half or full mask with gas filter A may be necessary.

## 9. Physical and chemical characteristics

<b>Product description:</b>	Colourless liquid	
<b>Density (kg/m<sup>3</sup>):</b>	690-720 at 20 °C	
<b>Flash point (°C):</b>	< 0	
<b>Ignition temp. (°C):</b>	approx. 215	ASTM D2155
<b>Explosion area (vol. %):</b>	1,1-7,0	
<b>Melting point (°C):</b>	< -60	
<b>Boiling point (°C):</b>	92-99	
<b>Steam pressure (kPa):</b>	10 at	20 °C
<b>Gas density (air =1):</b>	>1	
<b>Soluble in water:</b>	< 0.1 g/l	at 20 °C

## 10. Stability and reactivity

Stable under normal conditions.

## 11. Toxicological information

INHALATION: Can cause dizziness, fatigue, headache and nausea. At high concentrations there is a risk of impaired reactions, grogginess, unconsciousness.

SKIN CONTACT: Causes irritation and degreasing which can cause cracked skin, redness and in the event of prolonged contact, eczema (non-allergic).

SPLASHES IN EYES: Causes strong stinging and can cause irritation.

IF SWALLOWED: Can cause vomiting and the same problems as with inhalation. Lung inflammation can result after a few hours up to 24 hours, if the substance has entered the respiratory system during swallowing or vomiting. Just a few millilitres in the lungs can cause lung inflammation.

TOXICOLOGICAL INFORMATION:

LD50 (orally, rat): > 2,000 mg/kg. LD50 dermally, rabbit: >2,000 mg/kg. LC50 inhalation, rat: > 5 mg/l/4h.

## 12. Eco-toxicological information

### TOXIC TO AQUATIC ORGANISMS

Even at low concentrations and short exposure, can cause high mortality or poisoning of several fish species and other aquatic organisms.

## PRODUCT INFORMATION 19.5.2004

**NOT EASILY DEGRADABLE:** Slow decomposition in land and aquatic environments. In the event of spillage or discharge, the majority quickly evaporates. **BIO-ACCUMULATION** in the aquatic environment.

**AQUATIC TOXICITY:** LC50 fish: 1-10 mg/l. IC50 algiers: 1-10 mg/L

**OTHER:** German water harmfulness class, WGK: 1 (scale 0-3, where 3 is the most harmful). On account of the rapid evaporation, the product is of no significant danger to the aquatic environment in practice. In the air, rapid photochemical oxidation occurs.

## 13. Waste management

The substance is covered by the Ordinance on environmentally harmful waste (SFS 2001:1063).

Discharges into the environment should, if possible, be prevented.

Consult local authorities regarding the handling of waste.

Empty packaging should be deposited at local recycling centres or collected by local contractors on the condition that all risks have been eliminated.

## 14. Transportation information

### ADR/RID (land transport)

<b>UN number:</b>	1206	<b>Hazard number:</b>	33
<b>Freight description:</b>	Heptanes	<b>Tk ID:</b>	2995
<b>Classification:</b>	3		
<b>ADR label no:</b>	3		
<b>Packing group:</b>	II		

### IMDG (sea transport)

<b>Proper ship name:</b>	Heptanes	<b>Packing group:</b>	II
<b>Class/division:</b>	3		
<b>EmS No.:</b>	F-E, S-E		
<b>UN number:</b>	1206		
<b>Flash point (°C):</b>	-4		

### DGR (air transport)

<b>Proper ship name:</b>	Heptanes
<b>Class/division:</b>	3
<b>UN number:</b>	1206
<b>Packing group:</b>	II

## 15. Valid regulations

### CLASSIFICATION

**Chemical product hazardous to health**

**Symbol:**

**Hazard designation:**

Xn, ST ANDREW'S CROSS  
HAZARDOUS TO HEALTH

**Environmentally hazardous chemical product**

**Symbol:** N, ENVIRONMENTAL HAZARD SYMBOL  
**Hazard designation:** ENVIRONMENTALLY HAZARDOUS

**Inflammable chemical product**

**Symbol:** F, FLAME  
**Hazard designation:** HIGHLY FLAMMABLE

**PRODUCT INFORMATION 19.5.2004**

**Fire class:** 1

**CONTENTS** NAPHTHA (PETROLEUM), HYDROGEN PROCESSED LIGHT  
Of which n-hexane max 1%.

**Risk and safety phrases:**

R11 HIGHLY FLAMMABLE.  
R65 HAZARDOUS: CAN CAUSE LUNG DAMAGE IF SWALLOWED.  
R67 FUMES CAN CAUSE DROWSINESS.  
R38 SKIN IRRITANT.  
R51/53 TOXIC TO AQUATIC ORGANISMS, CAN CAUSE HARMFUL LONG-TERM EFFECTS IN THE AQUATIC ENVIRONMENT.

S9 Packaging to be stored in well ventilated area.  
S16 Stored separately from sources of ignition – Smoking forbidden.  
S33 Take measures against static electricity.  
S61 Avoid discharges into the environment. Read special instructions/product information sheets.  
S62 In the event of swallowing, do not encourage vomiting. Immediately contact a doctor and show this package or the label.

**OTHER INFORMATION ON THE LABEL**

**EU no.** 265-151-9

**OTHER REGULATIONS**

The National Board of Occupational Safety and Health directions, “Hygienic standards”, AFS 2000:3.

National Inspectorate of Explosives and Flammables’ statute book, SÄIFS 2000:2, on authorisation for the handling of flammable gases and liquids.

Classified in accordance with KIFS 1994:12, latest changed 2001:3.

Safety data sheet in accordance with KIFS 1998:8, latest changed 2001:4.

**16. Further information**

**OTHER SAFETY PHRASES:**

S23 Avoid inhalation of gas/fumes/mist  
S24 Avoid skin contact.  
S60 This material and its container to be treated as hazardous waste.