Material Safety Data Sheet: (RL 91/155/EWG)
Date: 13.07.2006

1. Substance and Manufacturer Identification:

Trade Name: Special Oil H.O. Art. 941
Material Type: Combination of Mono- and Di-Esters
Company: H. Moebius & Fils
Hegenheimerstrasse 23
CH-4123 Allschwil 2
++41 61 481 40 03
Emergency Telephone: ++41 61 481 40 03

2. Composition:

Substance: ☐
CAS-Nr.: ☐
Chemical Characteristics: Mixture of Alkyl-Aryl-monooleate and two C\textsubscript{10}-C\textsubscript{13} Di-Esters
Additives: 1.6 % Alkylphenoxyacid
< 1 % 2,6-Di-tert.-butyl-4-methylphenole
p.p'-Diocytldiphenylamine
Bariumsulfonate-mixture
C\textsubscript{3}-C\textsubscript{14}-Zn-dialkylthiophosphate
Composition: ☐
none

3. Possible Hazards:
The product, when properly handled and stored, according to the good working and hygienic practices, is not dangerous for the human health and nature.

4. First Aid Measures:

**Inhalation:** Move to fresh air

**Skin contact:** Wash off with soap and water

**Eye contact:** Rinse thoroghly with water. Obtain medical attention if adverse symptoms arise.

**Ingestion:** Do not induce vomiting. Keep respiratory tracts clear. Affected persons are to be calmed down and consult a physician at once.

5. Fire Fighting Measures:

**Suitable extinguishers:** CO\textsubscript{2}, foam, dry chemical

**Unsuitable extinguishers:** Water jet

**Special hazards:** none

**Special protective equipment:** For firemen positive pressure self-contained breathing apparatus.

**Further Measures:** Do not allow spillage to enter drains and watercourse.
Product: Special Oil H.O. Art. 941

6. Accidental Release Measures:

Personel Protection: Avoid skin and eye contact
Environmental precautions: Avoid pollution of drains and watercourse
Cleaning Measures: Collect with oil absorbent (e.g. sand) and dispose in the manner prescribed by Federal, State and Local regulations. Remains and small amounts of the product have to be removed with water and cleaning agent (slippery floor).

7. Handling and Storage:

Handling: No special protection measurements necessary.
Storage: Store in original closed container at 16 - 22 °C

8. Exposure Controls / Personal Protection:

Technical Protection: No special measures necessary
Exposure Limits: None
Personel Protective Equipment:
Breathing protection: not necessary
Skin protection: not necessary
Eye protection: not necessary
Body protection: not necessary
Further information: please follow the usual hygienic measures

9. Physical and Chemical Properties:

Appearance: liquid
Colour: light yellow, clear
Odour: practically odourless

Boiling point: > 200 °C
Pour point: - 20 °C
Flash point: > 200
Fire point: ---
Explosion limit: NA
upper NA
Vapor pressure (20 °C): < 0.01 mbar
Density (20 °C): 0.925 g/cm³
Solubility 20 °C (in H2O): not soluble
pH-value: NA
Viscosity (20 °C): 100 mm²/s

Tested after:
DIN 51 751
ISO 3016
DIN 51 755
DIN 51 794
DIN 51 757
DIN 51 562
Product: Special Oil H.O. Art. 941

10. Stability and Reactivity:

**Thermal Decomposition:**
None at proper usage.

**Conditions to avoid:**
High temperatures, naked flames

**Substances to avoid:**
Strong oxidising agents

**Dangerous Decomposition products:**
not to be expected

**Dangerous Reactions:**
one at proper usage.

11. Toxicological Information:

**Acute Oral Toxicity (LD 50):**
> 5'000 mg/kg (rat)

**Primary Skin irritation:**
Moderate (rabbit)

**Primary Eye irritation:**
Moderate (rabbit)

**Skin sensitivity:**
not sensibilising

**Further information:**
Cancerogenic effects are not known

12. Ecological Information:

**Acute Fishtoxicity:**
Not determined

**Bioaccumulation:**
Not to be expected

**Biological Decomposition:**
Slow

**Water hazard class:**
1, poor danger for water (self estimation)

13. Disposal Considerations:

**Product:**
Dispose off in a manner prescribed in Federal, State and Local regulations.

**Packing:**
Uncleaned packing to be disposed like the product.

**Wastedisposalcode:**
54401, synthetic cooling and lubricating products

14. Transport Information:

**UN-Nr.:**
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**RID / ADR:**
not classified

**GGVSee / IMDG-Code:**
not classified

**ICAO / IATA-DGR:**
not classified

**Further Information:**
This product is not dangerous

15. Regulatory Information:

**Classification after European guidelines:**
Not dangerous

**Hazard Symbol:**
Not required

**Risk phrases:**
none

**Safety phrases:**
S 2: Keep away from children
S 3: Keep in a cool place
S 8: Keep container dry
S 15: Keep away from heat
16. Other Informations:

The recommendations given in this material safety data sheet are put together from actual tests (if available), comparisons with similar products as well as informations on different products or components bought from other manufacturers.

The information given here refers only to the mentioned product. These informations are not accurate, if the product is being used together with other materials or in a working process. This report corresponds to our knowledge and experience at the given date. However, we do not give any warranty for faultlessness, reliability and completeness.