SAFETY DATA SHEETS

This SDS packet was issued with item:

071030717

N/A

Inhalation:

Patterson Dental Supply Product Code: 030725,71030717 SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION MSDS Name: W & H Service Oil Manufacturer Name: Kluber Lubrication Munchen KG Address: GeisenhausenerstraBe 7 D-81379 Munchen Emergency telephone no.: ++49-89-7876-0 Business Phone: ++49-89-7876-0 telephone exchange Business Fax: ++49-89-7876-333 For information in North America, call: ++49-89-7876-0 telephone exchange Manufacturer MSDS Revision Date: 29.8.1997 Safety Data Sheet conformable to EC directive 91/155 EEC Product Codes: 028073 ******************** SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS **************** Composition/Information: Chemical characterization: (preparation) synthetic hydrocarbon oil, ester oil Additional information: None ****************** SECTION 3 : HAZARDS IDENTIFICATION ***************** No particular hazards known. ****************** SECTION 4 : FIRST AID MEASURES ***************** Eye Contact: Rinse with plenty of water. Skin Contact: Wash off with soap and plenty of water.

Not applicable Ingestion: Do not induce vomiting. Obtain medical attention. Note to Physicians: Treat symptomatically. If swallowed or in the event of vomiting, risk of product entering the lungs. ************** SECTION 5 : FIRE FIGHTING MEASURES ************** Fire: Advice on protection against fire and explosion: No special precautions required. Flash Point: Approx. 200 deg C Flash Point Method: **DIN ISO 2592** Upper Flammable or Explosive Limit: Not applicable Lower Flammable or Explosive Limit: Not applicable Auto Ignition Temperature: Not applicable deg C; Not applicable deg F Extinguishing Media: Water spray, foam, dry powder, carbon dioxide (CO2) Unsuitable Media: High volume water jet Fire Fighting Equipment: Standard procedure for chemical fires. Additional Information: Water mist may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes. Special hazards: In case of fire the following can be released: Carbon monoxide, hydrocarbons ************************ SECTION 6 : ACCIDENTAL RELEASE MEASURES ****************** Personal Precautions: Risk of slipping due to leakage/spillage of product. Spill Cleanup Measures: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations. Environmental Precautions: Do not flush into surface water or sanitary sewer system. Additional information: None ******************* SECTION 7 : HANDLING and STORAGE ******************

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Handling: Advice on safe handling: Avoid formation of aerosol. Storage: Requirements on storage rooms and vessels: No special storage conditions required Incompatible materials: Incompatible with oxidizing agents. Further information on storage conditions: Store at room temperature in the original container. Advice on protection against fire and explosion: No special precautions required. SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION ************ Hand Protection Description: No special protective equipment required. Eye/Face Protection: No special protective equipment required. Protective Clothing/Body Protection: No special protective equipment required. Respiratory Protection: No special protective equipment required. Other Protective: No special protective equipment required. Additional advice on system design: not applicable Ingredients and specific control parameters: None General protection and hygiene measures: Clean skin thoroughly after work; apply skin cream. Do not inhale aerosol. ************* SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES **************** Physical State/Appearance: Liquid Color: Colourless Odor: Mint-like Vapor Pressure: First: Not applicable Solubility: Water solubility: Insoluble Density: Approx 0.84 g/cm3, 20 deg C

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Test Method: DIN 51757 Viscosity: Kinematic: approx. 15 mm2/s, 40 deq C Test Method: DIN 51562 Pour Point: Test method: DIN ISO 3016 Flashpoint: Approx. 200 deg C Auto Ignition Temp: Not applicable deg C; Not applicable deg F Upper Flammable Explosive Limit: Not applicable Lower Flammable Explosive Limit: Not applicable Flash point: approx. 200 deg C Test method: DIN ISO 2592 Ignition temperature: Not applicable deg C; Not applicable F Explosive properties: Lower explosion limit: Not applicable Upper explosion limit: Not applicable Further information: None SECTION 10 : STABILITY AND REACTIVITY ********** Conditions to Avoid: Do not heat above flash point. Incompatibilities with Other Materials: Materials to avoid: strong oxidizing agents Hazardous Decomposition Products: None under normal use. Additional information: None ****************** SECTION 11 : TOXICOLOGICAL INFORMATION ****************** Applies to All Ingredients: Ingestion Effects: LD50/oral/rat = > 2 g/kg (literature data) Chronic Effects: None Other Toxicological Information: Human experience: Health injuries are not known or expected under normal use. Toxicological Paragraph: The toxicological data has been taken from products of similar composition.

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SECTION 12 : ECOLOGICAL INFORMATION *********** Ecotoxicity: The product has not been tested. Effect of Material On Aquatic Life: Aquatic toxicity is unlikely due to low solubility. Information on elimination (persistence and degradability): Product is insoluble in water. May be separated out mechanically in purification plants. Behavour in environmental compartments: Ecological injuries are not known or expected under normal use. Additional information: Should not be released into the environment. SECTION 13 : DISPOSAL CONSIDERATIONS ***************** Waste Disposal: Dispose of in accordance with your local, state and federal regulations as used oil for reconditioning. Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities. ******************** SECTION 14 : TRANSPORT INFORMATION IATA: IATA-DGR: not applicable Maritime Transportation CGVS/GGVE/IMDG: Code: not applicable Land transport: GGVS/GGVE: not applicable Inland waterways transport: ADN/ADNR: not applicable Air transport: ICAO: not applicable Further information: Not classified as dangerous in the meaning of transport regulations. ******************* SECTION 15 : REGULATORY INFORMATION ***************

Applies to all ingredients: European Community Chemical Inventory Status: Conformable to EC directive 91/155 EEC

Labelling according to EU-guidelines: The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

All components are accepted by LMBG (Germany) and/or FDA (USA).

MSDS Revision Date:

29.8.1997

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid if the material is used in combination with any other materials or if it is processed, unless specified in the text.

Issue-department of safety Data Sheet: Chemical Documentation. Tel.: +19-89-7876-564



Safety Data Sheet conformable to EC directive 91/166 EEC

Product name: W & H Service Oil MD 400 Spray F1

Date: 24.7.2000

Revision date: 1.3.2000

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1. Identification of the substance/preparation and of the company

Product name:

W & H Service Oil MD 400 Spray F1

Code-No.:

081250

Company:

Kinber Lubrication München KG

Geisenhausenerstraße 7

D-81379 München

Telephone:

++49 - 89 - 7876 - 0 felephone exchange

Telefax:

++49 - 89 - 7876 - 333

Emergency telephone no.: ++49 - 89 - 7876 - 0

2. Composition/information on Ingredients

Chemical characterization: (preparation)

ester oil, synthetic hydrocarbon oil, solvent : hydrocarbons, propellant : propane-butane

Hazardous ingredients

CAS-No	Components	Value	Symb	ols R-phrases
74-98-8	propane-		F+	12
106-87-8	bulane	- 40 %	F+	12

3. Hazards Identification

F+ - Extremely flammable

No further particular hazarde known.

4. First aid measures

After inhelation

Move to fresh air. If symptoms persist, call a physician.

After contact with skin

Wash off with soap and plenty of water.

After contact with eyes

Rinee with plenty of water.

After Ingestion

Do not induce vomiting. Obtain medical attention.



Safety Data Sheet conformable to EC directive 91/155 EEC

Product name: W & H Service Oil MD 400 Spray F1

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Advice to doctor Treat symptometically.

5. Fire-fighting measures

Suitable extinguishing media water spray, foam, dry powder, carbon dioxide (CO2)

Unsultable extinguishing media high volume water jet

Special hazards
In case of fire the following can be released: Carbon monoxide, Hydrocarbons

Special protective equipment for firefighters Standard procedure for chemical fires.

Additional information
In the event of fire and/or explosion do not breathe fumes. Water mist may be used to cool closed containers.

6. Accidental release measures

Personal precautions
Ensure adequate ventilation. Remove all sources of ignition

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up
Use mechanical handling equipment. Dispose of absorbed material in accordance with the regulations.

Additional information None

7. Handling and storage

7.1 Handling

Advice on safe handling Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition . No smoking. Vapours may form explosive mixture with air.

7.2 Storage

Requirements on storage rooms and vessels

Observe your national regulations relating to the storage of containers under pressure.





Product name: W & H Service Oil MD 400 Spray F1

Date: 24.7.2000

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incompetible materials

Incompatible with oxidizing agents.

Further information on storage conditions

Keep in a well-ventilated place. Keep away from heat.

8. Exposure controls/personal protection

8.1 Additional advice on system design

not applicable

8.2 Ingredients and specific control parameters

8.3 Personal protective equipment

Respiratory protection

No special protective equipment required.

Hand protection

No special protective equipment required.

Eye protection

No special protective equipment required

Body protection

No special protective equipment required.

Other protection measures

No special protective equipment required.

General protection and hygiene measures

Avoid prolonged and/or repeated contact with skin. Clean skin thoroughly after work; apply skin cream. Do not breath vapours or spray mist.

9. Physical and chemical properties

Appearance

Form:

aerosol

Colour.

light yellow

Odour:

mint-like

Safety data

Change in physical state

Boiling point

Flash point:

Teet method

< -20

solvent solvent

ignition temperature:

approx. 260 °C

solvent

Safety Data Sheet conformable to EC directive 91/155 EEC



Product name: W & H Service Oil MD 400 Spray F1

Date: 24.7.2000 Revision date: 1.3.2000

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Explosive properties

lower explosion limit:

approx. 8,0 Vol.%

solvent

upper explosion limit:

210x. 0,0 ¥01.70

90.70

Vapour pressure-first:

approx. 170 hPa, 20°C

approx. 0,8 Vol.%

solvent

Density:

approx. 0,84 g/cm3, 20°C

agent

Water solubility: pH value: insoluble not applicable

Kinematic viscosity:

not applicable

9.3 Further Information

This information refers to the agent.

10. Stability and reactivity

Conditions to avoid Protect from sun.

Materials to avoid

strong exidizing agents (agent)

Hazardous decomposition products None under normal use.

Additional information

Fire or intense heat may cause violent rupture of packages.

11. Toxicological Information

The toxicological data has been taken from products of similar composition.

Acute toxicity: LD50/oraVrat = > 2 g/kg (literature data)

Chronic toxicity: None

Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis.

12. <u>Ecological information</u>

information on elimination (persistence and degradability)

Product is insoluble in water. May be separated out mechanically in purification plants.

Behavour in environmental compartments

Ecological injuries are not known or expected under normal use.

Ecotoxic effects

Aquatic toxicity is unlikely due to low solubility.



Safety Data Sheet conformable to EC directive 81/165 EEC

Product name: W & H Service Oil MD 400 Spray F1

Date: 24.7.2000 Rs

Revision data: 1.3.2000

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Additional information

Should not be released into the environment.

This information refers to the agent.

13. Advice on disposal

Disposal

Empty spray can as far as possible.

Can be incinerated when in compliance with local, state and federal regulations.

Dispose of contaminated packaging and recommended cleaning

Dispose of as unused product. Offer empty spray cans to an established disposal company.

14. Transport Information

14.1 Land transport

GGV8/GGVE:

Cl.2, no.5 F

Name: Aerosol

14.2 inland waterways transport

ADN/ADNR:

no data available

14.3 Sea transport

IMDG-Code:

Class 2

UN number:

1950

EMS: MFAG:

2-13

Name

Aerosols

14.4 Air transport

ICAO/IATA-DGR:Class 2.1

UN/ID number:

1950

Name

Aerosols, flammable

14.5 Further Information

None



Safety Data Sheet conformable to EC directive 91/156 EEC

Product name: W & H Service Oil MD 400 Spray F1

Date: 24.7.2000

Revision date: 1.3.2000

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15. Regulatory Information

15.1 Labelling according to EU-guidelines

The product is classified and labelled in accordance with EC-directives/Gorman regulations on dangerous substances.

Hazarda

F+ - Extremely flammable

Hazardous component(s) to be indicated on label propane-butane

S phrases
02-09-18-23-51
Keep out of the reach of children.
Keep container in a well-ventilated place.
Keep away from sources of ignition - No smoking.
Do not breathe vapour / spray.
Use only in well-ventilated areas.

Special labelling on certain proparations

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

15.2 National regulations

16. Other Information

Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: +49 - 89 - 7876 - 564

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ACTIO MEDS ID: 30888

Mew Section: 1 2 3 4 5 6 7 18 9 10 10 12 15 14 15 16

SECTION 1. CHEMICAE PRODUCT and GOMPANY IDENTIFICATION SECTION.

Product Name:

W and H Service ON F1MD 500 (W and H Artikelnummer: 02675910, 02675920)

Distributor Name: Distributor Address: Klober Lubrication München KG

Gelsenhausenerstrasse 7 D-81379 Monchen

Fax: 0049 (0) 897876-333

Further information obtainable from: Material Compilance Management

Information in case of emergency: 0049 (0) 89 7876 700

(24 hrs)

Olstributor Telephone: Ravision Date:

0049 (0) 897876-0

02.03.2010

Trade Names:

W & H Service Oll F1MD 500 (W&H Artikelnummer: 02675910, 02675920)

Manufacturer Name: Address:

Klüber Lubrication München KG

Gelsenhausenerstrasse 7 D-81379 München

Further Information obtainable from: Material Compliance Management

Information in case of emergency: 0049 (0) 89 7876 700

General Use:

Application of the substance/the preparation: Lubricating oil

mam@kluebezcom

Business Phone:

0049 (0) 897876-0 0049 (0) 897876-333

Business Fax:

Safety Data Sheet according to 1907/2006/EC, Article 31

Product Codes:

Artide number: 028073

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NFPA

Ingredient Name		CAS#	Ingredient Percent
Polyalphaolefine		58649-11-6	2.5-10%
EC Index Number:	1		
Hazard Symbols:	Xn		
Risk Phrases:	R 65		
Comments:	Dangerous components		

Chemical characterization;

Description: Synthetic hydrocarbon oil

Additional information: For the wording of the listed risk phrases refer to

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SECTION SCHAZARDS DEATHER ATOMIC PROPERTY AND A TENTON OF THE SECTION OF THE SECT

Environment Hazards:

Information concerning particular hazards for human and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the

latest valld version.

Hazard description: Not applicable.

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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Eye Contact:

Rinse opened eye for several minutes under running water. If symptoms

persist, consult a doctor.

Skin Contact Inhalation:

Wash off with soap and plenty of water. Supply fresh air; consult doctor in case of complaints.

Ingestion:

After swallowing: If symptoms persist consult doctor.

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SECTION 5. FIRE FIGHTING MEASURES (NA)

Explosion:

Danger of explosion: Product does not present an explosion hazard.

Flash Point Method:

> 200 deg C (DIN ISO 2592) Sultable:

Extinguishing Media:

Water haze Foam

Fire-extinguishing powder

Unsultable Media:

Hazardous Combustion Byproducts:

For safety reasons unsuitable extinguishing agents: Water with full jet Special hazards caused by the substance, its products of combustion or

resulting gases: In case of fire, the following can be released: Carbon monoxide (CO)

Hydrocarbons

Do not inhale explosion gases or combustion gases. Standard procedure for chemical fires. Protective Equipment:

Cool endangered receptacies with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance

with official regulations.

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SECUTION 6 T ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Additional Information:

Person-related safety precautions: Particular danger of slipping on leaked/spilled product.

Spill Cleanup Measures:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

Environmental Precautions:

Do not allow to enter sewers/surface or ground water

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SECTION 7.8 HANDEING BIOGSTORAGE

Handling:

Information for safe handling: Prevent formation of agrosols.

Information about fire - and explosion protection: No special measures

Storage:

Requirements to be met by storerooms and receptacles: Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents,

Further Information about storage conditions: None.

Hyglene Practices:

Do not inhale gases/fumes/aerosols. Immediately remove all solled and contaminated dothing Avoid close or long term contact with the skin.

Be sure to clean skin thoroughly after work and before breaks.

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Routine Handling:

Personal Protective Equipment General protective and hygienic measures:

Do not Inhale gases/fumes/aerosols.

Immediately remove all solided and contaminated dothing
Avoid dose or long term contact with the skin.

Be sure to clean skin thoroughly after work and before breaks.

Hand Protection Description:

Preventive skin protection by use of skin-protecting agents is

recommended.

Eve/Face Protection: Exposure Limits:

Gaggles recommended during refilling

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information about design of technical facilities: No further data;

Additional information: The lists valid during the making were used as basis.

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SECULOR S. PRYSICAL AND CHEMICAL PROPERTIES.

Physical State/Appearance:

Form: Fluid Light yellow

Color: Odor: Flash Point:

Product specific > 200 dag C

Flash Point Method: Solubility:

(DIN ISO 2592) In/Mischillty with water: Insoluble,

Density:

At 20 deg C; ~ 0.84 g/cm3 (DIN 51757) Kinematic at 40 deg C: ~ 15 mm2/s (DIN 51562) Pour Point:

< -40 dag C (DIN ISO 3016)

Danger of explosion: Product does not present an explosion hazard.

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SECTION 10 - STABILITY and REACTIMITY

Conditions to Avoid: Incompatibilities with Other

No decomposition if used and stored according to specifications. Materials to be avoided: oxidizing agents

Haterials: Reactivity:

Hazardous Decomposition

Dangarous reactions: No dangerous reactions known.

Thermal decomposition: No decomposition if used and stored according

Dangerous decomposition products: None under normal use

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Products:

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SECTION IN TOXICOLOGICAL INFORMATION

Polyalphaolefine:

Imitation:

Prolonged skin contact may cause skin Inflation and/or dermatitis.

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SECTION 12 * ECOLOGICAL INFORMATION

Ecological Paragraph:

Behaviour in sewage processing plants: The product can be mechanically separated.

General notes:

Do not allow product to reach ground water, water course or sewage

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SECTION 13: DISPOSAL CONSIDERATIONS IN THE ASSESSMENT OF THE SECTION OF THE SECTI

Waste Disposal:

Product:

Recommendation: Can be reused after reprocessing.

Waste disposal key:

reasts usposal key:
For this product no waste disposal key according the European Wasta
Catalogue (EWC) can be determined, as only the purpose of application
defined by the user enables an allocation. The waste code number has to
be determined in accordance with the local waste disposes.

Undeaned packaging: Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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SECTION 14 STRANSPORT INFORMATION

Transport/Additional information

Not classified as dangerous according to the above specifications.

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SECTION IS SECULATORY INFORMATION

Polyalphaolefina:

European Community Chemical Labelling according to EU guidelines:
Inventory Status:
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

Special labelling of certain preparations: Safety data sheet available for professional user on request.

Substances of very high concern (5VHC) according to REACH, Article 57: None of the ingredients is listed.

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SECRIDALIGE ADDITIONAL INFORMATION

MSDS Revision Date:

Data compared to the previous version altered: Section 1

MSDS Author:

Department Issuing MSDS: Material Compilance Management Contact: +49(0)897876-L564

Disclaimer:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases:

65 Harmful: may cause lung damage if swallowed.

OCT/21/2013/MON 03:10 PM Patterson Dental 375

FAX No. 4076884410

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