

MATERIAL SAFETY DATA SHEET

MSDS

Trade Name: Martin decker fluid W15/W16

Revision date: 20.12.2005

Replaced: 02.06.2003

Martin decker fluid W15/W16

1. PRODUCT AND COMPANY

TRADE NAME:	Martin decker fluid W15/W16	APPROVED:	YES
CHEMICAL NAME:		RECEIPT NO:	
FORMULA:		ARTICLE NO:	
SYNONYMS:		EC-NO:	
INDEX NO:		CAS NO:	
GROUP:		PR.NO:	
SUPPLIER:	Geoservices AS Jakob Askelandsvei 21 4391 SANDNES Tlf: 51 63 78 50 Fax: 51 63 78 51		
TOXIC INFORMATION:	22 59 13 00	EMERGENCY PHONE:	
RESPONSIBLE:	Bruce Nester		
AUTHOR:	HMS Logiconsult AS		
APPLICATION:	Hydraulic oil		
MORE INFORMATION:			

2. COMPOSITION

COMPOSITION	CAS-NO	EC-NO	% CONC.	CH	CF	CE	R-phrases	NOTE
Hydrocarbons, C11-17, solvent-extd. light naphthenic, gasoil	97722-08-2		60-100				T, K2, 45	

EXPLANATION:

CF/CH/CE=Classification fire/-health/-environment, Tx=Very Toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritating, IK=No classification required, E=Explosive, O=Oxidizing, Fx=Extremely flammable, F=Highly flammable, N=Danger for environment, M=Genotoxic, A=Sensitisation, K=Carcinogen, R=Causes birth defects.

COMPOSITION COMMENTS:

Hazardous class K2 is used when the product contains > 3% DMSO extract, measured by IP 346. Refined oil contains DMSO-extract < 3%, thereby cancer classification is excluded.

See chapter 16 for the complete wording of all R-phrases as stated in chapter 2.

3. HAZARDS IDENTIFICATION

MORE INFORMATION:

No classification required.

4. FIRST AID MEASURES

GENERAL:

Remove patient from source of contamination. Get medical assistance if discomfort.

INHALATION:

Remove patient from further exposure. Ensure fresh air, quiet and warmth. Get medical assistance if long lasting discomfort.

SKIN CONTACT:

Remove contaminated clothing. Wash with soap and plenty of water. Seek medical attention if irritation persists or rashes occur.

EYE CONTACT:

Remove any contact lenses. Flush with plenty of water at least 15 minutes. Keep eyes open. Seek medical attention if pain persists.

INGESTION:

DO NOT INDUCE VOMITING. Drink water. (Too much water increases the danger for vomiting.) Avoid drinking cream or oil, this increases the absorption of solvents. If available, drink activated coal in water. Seek medical assistance. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

INFORMATION TO HEALTH PERSONEL:

Eye damage: Profylaktisk treatment with chloramfenikol or fucudin eye drops. Recommendation of medical eye examination.

Ingestion:

Ventricle flushing only when patient is in coma, when spasms occurs or patient has poor reflection for vomiting. CNS influence can be caused by hypoksi, and is no indication for provoking vomiting/ventricle flushing. The first signs for aspiration are coughing and possible choking feeling. Damage to lungs may develop during hours or days. Symptoms of aspiration pneumonia are fever, difficulties of breathing and cyanose.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISH MEDIA:

Water spray/mist, alcohol resistant foam, dry chemicals or carbon dioxide.

UNSUITABLE EXTINGUISH MEDIA:

-

FIRE AND EXPLOSION HAZARDS:

Not flammable. Waste gases may form flammable mixtures with air. Use water mist to cool containers, if possible, without danger to personel.

PERSONAL PROTECTION WHEN FIREFIGHTING:

Firefighters shall wear breathing apparatus. Be alert of formation of gases when small fires, since the protective equipment may be less extensive.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Use recommended protection gear, see chapter 8, at a minimum gloves and glasses.

ENVIRONMENTAL PRECAUTIONS:

Avoid releases to sewage and water. Large spills must be limited with for example lenses and transferred to containers for storage. Notify governments and potential users.

CLEANING MEASURES:

Remove all sources of ignition. Avoid sparks, open flame and smoking. Provide good ventilation if indoor spills. Absorb spills in suitable materials and deliver to special waste site.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS:

Gases composed under high temperatures can make explosive mixtures when mixed with air.

HANDLING:

Provide good ventilation. Avoid spills, inhalation of vapour, skin and eye contact. Use protective gear, chap. 8.

STORAGE:

Store in closed package under stable temperatures. Avoid strong oxidizing substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPOSITION	OEL	unit	PPM	Note
Hydrocarbons, C11-17, solvent-extd. light naphthenic, gasoil	275	mg/m3		

EXPOSURE CONTROL:

Provide good ventilation. Establish an eye wash and shower station. Avoid static electricity. Avoid inhalation of fumes/aerosols. Avoid contact with eyes. Avoid squirting. HYGIENIC ROUTINES: Wash the hands by the end of every shift and before eating, smoking and use of the toilet. Immediately wash skin that is spilled on.

RESPIRATORY PROTECTION:

If formation of vapour or aerosols, use gasmask with filter A (Brown) eventually combined with particle filter P2.

EYE PROTECTION:

Use safety goggles with side protection if there is any danger for squirting.

HAND PROTECTION:

Use protective gloves made from neoprene, nitril, polyetylen or PVC.

SKIN PROTECTION:

Use protective clothing for protection against possible skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid	ODOUR:	Mild
COLOUR:	Red	SOLUBILITY:	
MELTING/FREEZING POINT:	-55°C	BOILING POINT:	> 188°C
DENSITY:	< 0,876 g/ml	FLASH POINT:	82°C
EXPLOSION LIMITS LEL-UEL %:		PH (CONCENTRATE.):	
SOLUBILITY IN WATER:	Not soluble	MOL MASS:	
VAPOUR PRESSURE:	<0,1 mmHg	VISCOSITY:	14 cSt (v/40°C)
SATURATION CONC.:		AUTO IGNITION TEMP:	
DECOMPOSITION TEMP.:		SMELL LIMIT:	
PH (SOLUTION):	10,2	REL.VAPOUR DENSITY (AIR=1):	>1

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions.

REACTIVITY:

The product may react with strong oxidizing substances.

HAZARDOUS DECOMPOSITION PRODUCTS:

Gases/vapour of carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

GENERAL:

The product can irritate eyes and skin. Danger for aspiration to lungs when vomiting.

INHALATION:

Aerosols or vapour formation under use may irritate respiratory system.

SKIN CONTACT

Contact with skin may give irritation with rashes. Repeated exposure can cause dermatitt. The degreasing properties of the oil may remove natural oils and dry out the skin.

EYE CONTACT:

Contact with eyes may cause irritation.

INGESTION:

Can cause stomach/gut pain with nausea, vomiting and diarrhoea. Vomiting may cause chemical pneumonia if aspired to lungs. First sign of aspiration is coughing and possible a feeling of choking. Solvents might be absorbed through the guts.

CHRONICAL EFFECTS:

Repeated, prolonged inhalation of solvent vapours may cause permanent solvent-related damage to the central nervous system.

ORAL TOXICITY:

Not known

DERMAL TOXICITY:

Not known

INHALATION. TOXICITY:

Not known

12. ECOLOGICAL INFORMATION

MOBILITY:

The product will float on water.

BIODEGRADABILITY:

The product is not easily biologically degradable.

ACCUMULATION:

Low bioaccumulation potential.

ECOTOXICITY:

No ecological information is available to this product.

OTHER EFFECTS:

A spill will form a film on the surface which could physically harm aquatic organisms. The film will also reduce oxygenation of the water through the surface.

13. DISPOSAL

DECONTAMINATION/DISPOSAL:

The product is special waste. Product remains must be delivered to terminal for special waste. For information on how to handle special waste, contact NORSAS tlf: 22 51 07 00.

DISPOSAL GROUP:

EAL-code: 070108 Other remains of reactions and distillations.

Waste number: 7152 Organic waste without halogen.

14. TRANSPORT INFORMATION

ADR(Road)			
UN NO:		CLASS:	
LABEL:		DANG. GOODS:	
PACKING GROUP:		HAZ. ID NO:	

RID(Railway)			
UN NO:		CLASS:	
HAZ. ID NO:		DANG. GOODS:	
PACKING GROUP:			

IMDG(SEA)			
UN NO:		CLASS:	
LABEL:		DANG. GOODS:	
EMS:		PACKING GROUP:	
MARINE POLL:		SUB.RISK:	

IATA(Airplane)			
UN NO:		CLASS:	
LABEL:		DANG. GOODS:	
SUB.RISK:		PACKING GROUP:	

MORE INFORMATION:

Not regulated by international laws for transport classification.

15. REGULATORY INFORMATION**R-PHRASES:**

Not classified.

REFERENCES:

"Revised in compliance with national regulations for health, fire and environment labelling. (The Working Environment Act, Pollution Control Act, Act relating to Prevention of Fire, Explosion and Accidents involving Hazardous Substances and the Fire Services) Norwegian Databases: List of Dangerous Substances, The Observation List, List of Priority Substances. Authorities: Norwegian Labour Inspection Authority, Directorate for Civil Protection and Emergency Planning, Norwegian Petroleum Directorate, Petroleum Safety Authority Norway. Transport legislation: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (ADR/RID), The International Maritime Dangerous Goods (IMDG), International Air Transport Association Dangerous Goods (IATA) EU-directives : 67/548/EEC, 1999/45/EC, 2001/58/EC, 2004/73/EF (29.ATP) with later amendments."

16. OTHER INFORMATION

Replace date:: 02.06.2003

MORE INFORMATION:

HMS Logiconsult is not responsible for mistakes or faulty information which is given from the producer. The producer given in chapter 1 is responsible for this MSDS and is legally responsible for the content.

Approved according to 29. ATP.

HMS Logiconsult AS

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R-sentences as given in chap. 2:

R45 May cause cancer.

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