

MATERIAL SAFETY DATA SHEET

MSDS

Last changed: 14/02/2000

Internal num.:

Replaces date:14/06/2000

PILOT II

1. PRODUCT AND COMPANY

TRADE NAME : PILOT II
SYNONYMS : PILOT II
APPLICATION : Alkyd based paint
ART-No : PM3099

PRODUCER/IMPORTER :

Company : JOTUN-HENRY CLARK LTD.
Address : Flixborough, Scunthorpe
Zip & city : North Lincolnshire DN15 8RR
Country : UK
Telephone : +44 1724 40 00 00
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Emergencyphones : Contact the National Poison Center
Contactperson : QA/Environm. dept., JOTUN A/S, NORWAY
Responsible : QA/Environm. dept., JOTUN A/S, NORWAY

2. COMPOSITION OF PRODUCT

No	Ingredients name	CAS-NO	Weight%	Dangerclas./Cmnt.
1	WHITE SPIRIT, REG.(AROM. 17-22%)	64742-82-1	25-50	XnN,10-65-51/53

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Dang. to the environment,

INGREDIENT COMMENTS

Substances presenting a health hazard within the meaning of the CHIP Regulations or assigned occupational exposure limits. The product is not classified as dangerous by aspiration according to viscosity criterias in the guidelines.

3. HAZARD IDENTIFICATION

FLAMMABLE.

For potential danger for the environment, see section 12.

4. FIRST AID

GENERAL

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION

Keep the patient warm in a quiet place with fresh air. If breathing has stopped, administer artificial respiration. If unconscious place in the recovery position. Seek medical advice.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use an appropriate skin cleaner. Do NOT use solvents or thinners.

EYE CONTACT

Remove any contact lenses. Hold the eyelids apart. Irrigate copiously with clean, fresh water for at least 10 minutes. If symptoms occur, get medical advice.

INGESTION

DO NOT INDUCE VOMITING. If accidentally swallowed obtain immediate medical attention. Keep at rest. Seek medical advice.

MEDICAL INFORMATION

Risk of chemical pneumonia by aspiration. Keep attention: danger of lung damage. General health examination. Professional evaluation of the work station.

5. FIRE FIGHTING MEASURES

PROPER FIREFIGHTING EQUIPMENT

Recommended: alcohol resistant foam, CO₂, powders, water spray. Not to be used: water jet.

FIRE AND EXPLOSION HAZARDS

Appropriate self-contained breathing apparatus may be required. Decomposition products may be a hazard to health. Fire will produce dense black smoke containing hazardous products of combustion (see Section 10).

OTHER INFORMATION

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

OTHER INFORMATION

If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environmental Agency. Clean preferably with a detergent; avoid use of solvents. Do not allow to enter drains or watercourses. sand, earth, vermiculite and diatomaceous earth. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite and diatomaceous earth. Place in container for disposal according to local regulations (see section 13). Refer to protective measures listed in sections 7 and 8. Avoid breathing vapours. Exclude sources of ignition and ventilate the area.

7. HANDLING AND STORAGE

HANDLING ADVICE

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should not be used in vicinity of open flames or other sources of ignition. Use explosion-proof electrical equipment. The product may charge electrostatically. Always use earth (ground) wire when transferring from one container to another. Personnel should wear anti-static clothing and footwear. Floors should be electrically conductive. Keep container tightly closed. Exclude sources of heat, sparks and open flame. Use non-sparking tools. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking are forbidden in the work area. For personal protective equipment see Section 8. Always keep in containers made of the same material as the supply container. Never use pressure to empty the container, it is not a pressure vessel. Electrical equipment should be protected to appropriate standards. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

STORAGE

Store in accordance with the conditions of the license which is necessary under the Petroleum (Consolidation) Act. Further guidance is contained in the HSE guidance note Storage of Flammable Liquids in Containers. Observe the label precautions. Store in a dry, cold and well ventilated place away from sources of heat, ignition and direct sunlight. Store separately from oxidising agents and strongly alkaline and strongly acidic materials. No smoking. Containers which are opened should be properly resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OEL s

Ingredients name	CAS-no	OEL value	OEL
WHITE SPIRIT, REG.(AROM. 17-22%)	64742-82-1	566,0 mg/m ³ 850,0 mg/m ³	LTEL STEL

EXPOSURE CONTROL

OELs are taken from the current version of EH40 (by Health & Safety Executive, UK). Spray mist contains all substances of the product and must not be inhaled. Respiratory protection are to be used when the concentration of solvents/compounds exceeds the Occupational Exposure Limit Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide adequate ventilation.

RESP. PROTECTION

Use respiratory protective mask with charcoal and dust filter (A2/P2) when spraying this product. When use of roller or brush, then charcoal filter is sufficient.

EYE PROTECTION

Eye protection designed to protect against liquid splashes should be worn.

HAND PROTECTION

Never apply barrier cream to contaminated skin. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. Use nitrile/PVA gloves.

SKIN PROTECTION

When spraying use suit covering the whole body. Grossly contaminated clothing should be removed. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid.		
Colour:	Various.		
Odour:	Organic solvent.		
Solubility:	Organic solvent.		
Melting point/range:	-	Density:	0,9 - 1,4
Expl. limit LEL-UEL%:	0.90 - 6.50 -	Boiling point/range:	150 -198°C
Flash point:	36°C	pH concentrate:	-
Ignition temp.:	240°C		

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions (see section 7).

MATERIALS TO AVOID

Keep away from oxidising agents, strongly alkaline and strongly acidic materials to prevent the exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS

In a fire , hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

GENERAL

There are no toxicological data available on the product itself.

INHALATION

Symptoms and signs include headache; dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system.

SKIN CONTACT

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to the product's defatting properties.

EYE CONTACT

Splashes in the eyes may cause irritation and reversible local damage.

INGESTION

Chemical pneumonia can occur if solvent fumes are inhaled. Accidental ingestion may cause vomiting and abdominal pains.

12. ECOLOGICAL INFORMATION

BREAKDOWN

White spirit reg. (arom. 17-22%): Readily degradable; BOD (28d.) 75%

ACCUMULATION

White spirit h.f. (arom. 17-22%): Possibility for bioaccumulation.

ECOTOXICITY

White spirit, reg (arom. 17-22%): EC50 (alga/bacteria) = 1-10 mg/l (estimated). White spirit, reg. (arom. 17-22%): LC50 (fish/daphnia) = 1-10 mg/l (estimated).

OTHER INFORMATION

Do not discharge the product to sewer or drains. The product contains white spirit, reg. (arom. 17-22) labelled "Dangerous for the environment".

13. DISPOSAL

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Do not allow into drains or water courses.

WASTEGROUP

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVE, SEALANTS AND PRINTING INKS. 08 01 02 Waste paints and varnish free of halogenated solvents.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME

PAINT

IMDG (Sea)

UN No	1263	Class	3.3
Label	3	Packaging Group	III
EmS	3 - 05	MFAG	310
Page	3372		

Transport only in accordance with ADR for road, RID for rail and IMDG for sea transport. Not regulated according to ADR, ref. marg. no. 2301 E (for containers < 450 ltr).

15. REGULATORY INFORMATION

Classif.:

COMPOSITION

R-PHRASES

R10 Flammable.

S-PHRASES

S23 Do not breathe vapour/spray. S38 In case of insufficient ventilation, wear suitable respiratory equipment.

REFERENCES

The product is classified and labelled for supply in accordance with the CHIP Regulations.

16. OTHER INFORMATION

ISSUED:01/03/2000

INFORMATION SOURCES:

VENDOR NOTES

The selection, use and maintenance of respiratory protective equipment: A practical guide HS(G)53. Storage of Packaged Dangerous Substances, HS(G)71. Storage of Flammable Liquids in Containers, HS(G)51. The Manual Handling Operations Regulations 1992 (SI 1992:2793). The Highly Flammable Liquids and liquefied Petroleum Gases Regulations 197 (SI 1972:917). The Control of Substances Hazardous to Health Regulations 1988 (SI1988:1657). Further information and relevant advice can be found in: The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839). The information in this MSDS provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this MSDS is based on the present state of knowledge and current national legislation.

USER NOTES

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