



SAFETY DATA SHEET

Nylar 100 (HSE No.: 6234)

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Revision No. 1

Issue date: 07 March 2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	Nylar 100
Company	PelGar International Ltd Unit 13, Newman Lane Industrial Estate, Newman Lane, Alton, Hampshire GU34 2QR
Telephone	Tel +44 (0) 1420 80744
Telefax	Fax +44 (0) 1420 80733
Product code	301

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Pyriproxyfen 1-10% CAS: 95737-68-1 EINECS: 94-04-069500 N;R50/53	Iso-butanol 1-10% CAS: 78-83-1 EINECS: 201-148-0 R10 Xi;R37 Xi;R38 Xi;R41 -;R67
	C9 – C11 alcohol with 8 moles ethylene oxide 1-10% CAS: 68439-45-2 Xn;R22 Xi;R41	
	Solvent Naphtha (petroleum), Heavy aromatic 70-80% N;R51/53 Xn;R65	

3. HAZARDS IDENTIFICATION

Most important hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.
Specific hazards	Product can accumulate static charges, which can cause an incendiary electrical discharge. Material can form flammable mixtures or can burn only if heated to temperatures at or above the flash point.

4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing Wash off immediately with soap and plenty of water. If irritation persists obtain medical attention. Contaminated clothing should be washed and dried before re-use
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. If irritation persists obtain medical attention
Inhalation	Move to fresh air. Obtain medical advice immediately.
Ingestion	Harmful: may cause lung damage if swallowed. Do not induce vomiting. If conscious give a small amount of milk or water to drink and obtain medical attention. Show the container label or this Safety Data Sheet to the doctor.
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Fight surrounding fire with foam, dry chemical, water spray or mist
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Extinguishing media which must not be used for safety reasons	Do not use water jets
Specific hazards	Combustible material. Fire may cause toxic fumes (oxides of carbon) to evolve. Avoid spraying water directly into storage containers due to danger of boil over.
Special protective equipment for firefighters	In the event of fire, wear a self-contained breathing apparatus and a chemical protection suit, gloves and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear suitable protective clothing, gloves and eye/face protection. See section 8. Keep public away. Remove all sources of ignition.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Contain or absorb leaking liquid with earth or sand. Prevent liquid entering watercourses, sewers or basements. Prevent product from entering drains. If substance has entered a watercourse or sewer or contaminated soil or vegetation, inform the appropriate authority.
Methods for cleaning up	Soak up with inert absorbent material. Transfer to a suitably labelled container. Subsequently, wash the contaminated area with water, or detergent and water, taking care to prevent the washings from entering surface drains. For large spills, recover by pumping (use a hand pump or explosion proof pump).

7. HANDLING AND STORAGE

Handling	Material will accumulate static charge, which may cause an electrical spark (ignition source). Take precautionary measures against static discharges. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Container remains hazardous when empty. Continue to observe all precautions. The product is flammable but not readily ignited. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from open flames, hot surfaces and sources of ignition. Keep away from sources of ignition - No smoking. If splashing is likely to occur wear approved eye protection. If spray mists are likely, wear a suitable approved respirator. If skin contact is likely to occur wear rubber gloves and suitable impervious protective clothing. Use in a well ventilated area where possible. Always use good personal hygiene procedures when handling chemicals. Do not smoke eat or drink while handling this product. Wash hands, face and exposed skin after using, and before eating, drinking or smoking. Read the label before use. Keep product and empty container away from heat and sources of ignition.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food and animal feedstuffs Store in accordance with Health and Safety Executive's Guidance Note HSG71 Keep away from oxidising agents. Keep away from sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)	2-Methylpropan-1-ol TWA(ppm):50 TWA(mg/m3):154 STEL(ppm):75 STEL(mg/m3):231 Aromatic hydrocarbon TWA(ppm):25 (for trimethyl benzene) TWA(mg/m3):125 for (trimethyl benzene)
Engineering measures	The use of mechanical (explosion proof) dilution ventilation is recommended whenever this product is used in a confined space.
Respiratory protection	Suitable approved respirator if exposed to spray mists
Hand protection	Rubber or plastic gloves
Eye protection	If splashes are likely to occur, wear: goggles
Skin and body protection	Impervious clothing boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid
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Colour	Pale straw
Odour	Characteristic
pH	N/D
Boiling point/range	No Data
Flash point	66°C
Relative density	0.91
Water solubility	Miscible

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Strong oxidising agents, strong bases
Hazardous decomposition products	Oxides of carbon, smoke.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful: may cause lung damage if swallowed. ORL RAT LD50 >5000mg/Kg DERMAL RAT LD50 >2000mg/Kg INH RAT LC50 1300mg/Kg (4hr exposure)
Primary irritation	Irritating to eyes, respiratory system and skin.
Sensitisation	No Data
Repeated or prolonged exposure	Prolonged skin contact may defat the skin and produce dermatitis.
Mutagenic effects	Not available
Carcinogenic effects	Not available
Reproductive toxicity	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATIONS

General Information	Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-No	3082	Packing group	III
Class	9	Hazard ID	90
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		

IMO

UN-No	3082	Packing group	III
Class	9	Marine pollutant	YES
EmS	F-A S-F		

IATA-DGR

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UN-No 3082
Class 9
packaging 914

Packing group III
Sub-risks -

15. REGULATORY INFORMATION

Symbol(s):	Xn - Harmful; N - Dangerous for the environment 
R-phrases(s)	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R10 - Flammable. R36/37/38 - Irritating to eyes, respiratory system and skin.
S-phrases(s)	To avoid risks to man and the environment, comply with the instructions for use. S25 - Avoid contact with the eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of soap and water S29 - Do not empty into drains. S37/39 - Wear suitable gloves and eye/face protection. S60 - This material and its container must be disposed of as hazardous waste. S61 - Avoid release to the environment. Refer to special instructions/safety data sheets. S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2	R10 - Flammable. R22 - Harmful if swallowed. R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R67 - Vapours may cause drowsiness and dizziness.
Recommended restrictions	Insecticide for professional use only.
Further information	Safety Data sheet Replaces Revision 2
Sources of key data used to compile the datasheet	CHIP 2002 EH40 Raw material suppliers Safety Data Sheets.