

SAFETY DATA SHEET

Revision date: 2003-06-02

1 PRODUCT AND COMPANY IDENTIFICATION

Product: Landobond 203

Synonym: Ventlim

PROTAN AS
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2 COMPOSITION

Chemical name	EC-No.	Conc.	Symbol(s):	R-phrases(s)
Ethylacetate	205-500-4	10-30 %	F, Xi	R11-36-66-67
Acetone	200-662-2	30-100 %	F, Xi	R11-36-66-67
Toluene	203-625-9	10-30 %	F, Xn	R11-20

T: toxic, C: caustic/corrosive, X_n: health hazard, X_i: irritating, F= Highly flammable

3 HAZARDS IDENTIFICATION

Most important hazard: Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Harmful by inhalation.

4 FIRST AID MEASURES

Inhalation:	Provide fresh air and rest.
Skin contact:	Wipe off. Wash off with soap and water. <i>Never</i> wash skin with organic solvents.
Eyes:	Wash with plenty of water. Obtain medical attention.
Consumption:	Do not induce vomiting. When conscious, drink a lot of water. Obtain medical attention.

5 FIRE-FIGHTING MEASURES

Suitable fireextinguishing media: Powder, carbon dioxide (CO₂), foam or fine water spray.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Consider the risk of fire. Remove all sources of ignition. When large emissions occur, consider the needs for personal protection equipment.
Environmental precautions:	Prevent the product from reaching drains, water or ground.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Safe handling:	Avoid contact with skin, eyes and clothes. Store well ventilated areas. Mechanical ventilation or exhaust device may be required. Avoid smoking, fire, sparks or other sources of ignition. Implement measures to avoid static electricity. Observe applicable rules for handling organic solvents.
Storage:	To be stored at temperatures between 0 and 30°C in ventilated areas away from sources of ignition. In case of storage of large quantities, consult the local fire brigade.
Packaging:	Store in sealed, original packaging or in other sealed metal or glass packaging.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:	Depending on the quantities handled and on working conditions, respiratory protection type A2 or fresh-air mask may be required.
Protective gloves:	Solvent-resistant gloves (butyl rubber).
Eye protection:	Safety goggles are recommended.
Technical measure:	Use sparkless tools.
Hygiene:	The product should be handled in accordance with good occupational hygiene and safety practice. Avoid contact with skin, eyes and clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Transparent
Odour:	Strong smell of ketones
Viscosity:	ca. 1850 cP
Density:	890 - 910 kg/m ³
Solubility in water:	0 %
Solubility in organic solvents:	100 % in acetone
Flash point:	- 19 °C

10 STABILITY AND REACTIVITY

Product is stabile

11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Inhalation of vapour from the solvents may cause headache, tiredness, dizziness, nausea, longer reaction times and unconsciousness (with large quantities).
Local effects:	Degreases the skin and may cause cracks/skin irritation, irritates eyes. Consumption may give gastrointestinal irritation, nausea, vomiting and diarrhoea.
Chronic toxicity:	Prolonged inhalation of high concentrations may give chronic damage. Repeated or prolonged skin contact may cause exzema.

12 ECOLOGICAL INFORMATION



13 DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Liquid remainders, and contaminated packages, must be treated as hazardous waste. Dry/solid product, with or without packaging, can be treated as normal industrial waste. Contact the proper local authorities.

14 TRANSPORT INFORMATION

ADR/RID (road/rail):	Class: 3, II	UN no.: 1133		
IMO:	Class: 3.1 EmS: 3-05	UN no.: 1133 MFAG: 330	IMDG Page: 3102	Packaging group: II
ICAO:	Class: 3	UN/ID no.: 1133		

15 REGULATORY INFORMATION

Classification/ labelling:	F	Xn
Symbols:		
R-phrases:	R11 - Highly flammable R20 - Harmful by inhalation R36 - Irritating to eyes R66 - Repeated exposure may cause skin dryness or cracking	
S-phrases:	S16 - Keep away from sources of ignition – No smoking S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S51 - Use only in well ventilated areas	

16 OTHER INFORMATION