SAFETY DATA SHEET

Done According to the Regulation (EC) 1907/2006.

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Company Name: Yellow Pearl Ltd,
Unit 17 Mullaghboy Industrial Estate,
Navan, Co Meath,
Ireland.
Telephone: 046 909 3800
Fax: 046
Emergency Telephone: 046 909 3800 (Office Hours)

Telephone:	00 353 (0) 46 909 3800
Fax:	00 353 (0) 46 909 3731
Emergency Telephone:	00 353 (0) 46 909 3800
Email:	info@raxon.eu
Product Name:	Raxon Anti Scratch Clear HS
Product Code:	RAX0695
Intended Use:	Varnish for coating several surfaces

2. HAZARDS IDENTIFICATION

Harmful.

Product is flammable because of its composition in solvents.

This preparation is classified as harmful for the environment (Sections 12 & 15).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances with risk for the health according with the Hazardous Substances Regulations (Directive 67/548/EEC) and its adaptations and/or changes:

Name: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

Einecs Nr.:	255-437-1	Cas Nr:	41556-26-7
Index Annex I:		Conc. range:	< 1 %
R-Phrases*:	R43 R50/53	Symbol:	Xi, N

Name: propylbenzene

Einecs Nr.:	203-132-9	Cas Nr:	103-65-1
Index Annex I:	601-024-00-X	Conc. range:	< 1 %
R-Phrases*:	R65 R37 R51/53 R10	Symbol:	Xn, N

Name: mesitylene

Einecs Nr.:	203-604-4	Cas Nr:	108-67-8
Index Annex I:	601-025-00-5	Conc. range:	< 1 %
R-Phrases*:	R37 R51/53 R10	Symbol:	Xi, N

Name: Mixture of a-w-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-w-hydroxypoly(oxyethylene) and a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-?-3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

Einecs Nr.:	400-830-7	Cas Nr:	
Index Annex I:	607-176-00-3	Conc. range:	< 1 %
R-Phrases*:	R43 R51/53	Symbol:	Xi, N

Name: 1,2,4-trimethylbenzene

Einecs Nr.:	202-436-9	Cas Nr:	95-63-6
Index Annex I:	601-043-00-3	Conc. range:	< 1 %
R-Phrases*:	R20 R36/37/38 R51/53 R10	Symbol:	Xn, N

Name: Solvent naphtha (petroleum), light arom.

Einecs Nr.:	265-199-0	Cas Nr:	64742-95-6
Index Annex I:	649-356-00-4	Conc. range:	1.0 - 2.5 %
R-Phrases*:	R65 R37 R51/53 R10	Symbol:	Xn, N

Name: 2-methoxy-1-methylethyl acetate

Einecs Nr.:	203-603-9	Cas Nr:	108-65-6
Index Annex I:	607-195-00-7	Conc. range:	2.5 - 10 %
R-Phrases*:	R36 R10	Symbol:	Xi

Name: ethylbenzene

Einecs Nr.:	202-849-4	Cas Nr:	100-41-4
Index Annex I:	601-023-00-4	Conc. range:	2.5 - 10 %
R-Phrases*:	R20 R11	Symbol:	F, Xn

Name: xylene

Einecs Nr.:	215-535-7	Cas Nr:	1330-20-7
Index Annex I:	601-022-00-9	Conc. range:	10 - 25 %
R-Phrases*:	R20/21 R38 R10	Symbol:	Xn

Name: n-butyl acetate

Einecs Nr.:	204-658-1	Cas Nr:	123-86-4
Index Annex I:	607-025-00-1	Conc. range:	10 - 25 %
R-Phrases*:	R66 R67 R10	Symbol:	

*For full text see section 16.

Other information: Regarding the naphtas used in the product, it does not need to be classified nor labelled as carcinogenic (R45), taking into consideration the P remark of its classification, as the Benzene is < 0,1%.

4. FIRST AID MEASURES

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

Inhalation:
Remove to fresh air, keep the patient warm and rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Eye contact:
Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin contact:
Remove contaminated cloth. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

Ingestion:
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES.

Extinguishing media:
Recommended: alcohol resistant foam, CO2 , powder, water spray/mist.
not to be used: water jet.

Recommendations:
Fire will produce dense black smoke containing hazardous substances of combustion. Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing equipment may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES
Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours and contact with skin and eyes. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the local waste regulations (see Section 13). Do not allow to enter drains or water courses.
Clean preferably with a detergent; avoid the use of solvents.
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 National Rivers Authority.

7. HANDLING AND STORAGE

Handling
Vapours are heaviers than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the work exposure limits.
Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep the container tightly closed. Exclude sources of heat and open flame. Non-sparking tools should be used.
Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking,
eating and drinking should be prohibited in areas of storage and use. For
personal protection, see Section 8.
Never use pressure to empty: the container is not resistent to pressure.
Always keep in containers made of the same material as the supply container.
When the operatives are inside the spray booth, applying or not, and ventilation is not sufficient to control particles and

solvent vapour concentrations, air-fed respiratory protective equipment should be worn, until the concentrations mentioned are below the work exposure limits.

Storage

Storage in accordance with the legal procedures for chemical products.
Observe the label precautions. Store between 5 and 30 ºC in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept in a upright position to prevent leakage. The principles contained in the HSE's guidance note Storage and Packaged Dangerous Substances should be observed when storing this product. Store separately from oxidising agents and strongly alkaline and strongly acidic materials, amines, alcohol and water.
"Rags used in the application or cleaning that are contaminated with non cured products can present an auto-ignition without notice after a few hours. Rags contaminated with products diluted by adding White Spirits can also present auto-ignition. Contaminated fabrics, rags and even protection gear must be removed from the premises at least once a day, always when closing, and must be disposed of far from other flammable materials in order to avoid fire spread in case of auto-ignition".

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratoy protective equipment should be worn. (see 'Personal protection' below)

EXPOSURE LIMITS (ACGIH 2005) (2006/15/EEC)

TLV: Threshold Limit Value TWA: Time Weighted

Average STEL: Short Term Exposure Limit

CAS Nr: 41556-26-7

Name: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

TLV-TWA (ppm):	TLV-TWA (mg/m3):
TLV-STEL (ppm):	TLV-STEL (mg/m3):
Dir. 2006/15/EEC	
8 h (ppm):	8 h. (mg/m³):
Short-term (ppm):	Short-term (mg/m³):

CAS Nr: 103-65-1

Name: propylbenzene

TLV-TWA (ppm):	TLV-TWA (mg/m3):
TLV-STEL (ppm):	TLV-STEL (mg/m3):
Dir. 2006/15/EEC	
8 h (ppm):	8 h. (mg/m³):
Short-term (ppm):	Short-term (mg/m³):

CAS Nr: 108-67-8

Name: mesitylene

TLV-TWA (ppm):	TLV-TWA (mg/m3):
TLV-STEL (ppm):	TLV-STEL (mg/m3):
Dir. 2006/15/EEC	
8 h (ppm): 20	8 h. (mg/m³): 100
Short-term (ppm):	Short-term (mg/m³):

CAS Nr:

Name: Mixture of a-w-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-w-hydroxypoly(oxyethylene) and a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-?-3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

TLV-TWA (ppm):
TLV-STEL (ppm):
Dir. 2006/15/EEC
8 h (ppm):
Short-term (ppm):

TLV-TWA (mg/m3):
TLV-STEL (mg/m3):

8 h. (mg/m³):
Short-term (mg/m³):

CAS Nr: 95-63-6

Name: 1,2,4-trimethylbenzene

TLV-TWA (ppm):
TLV-STEL (ppm):
Dir. 2006/15/EEC
8 h (ppm): 20
Short-term (ppm):

TLV-TWA (mg/m3):
TLV-STEL (mg/m3):

8 h. (mg/m³): 100
Short-term (mg/m³):

CAS Nr: 64742-95-6

Name: Solvent naphtha (petroleum), light arom.

TLV-TWA (ppm):
TLV-STEL (ppm):
Dir. 2006/15/EEC
8 h (ppm):
Short-term (ppm):

TLV-TWA (mg/m3):
TLV-STEL (mg/m3):

8 h. (mg/m³):
Short-term (mg/m³):

CAS Nr: 108-65-6

Name: 2-methoxy-1-methylethyl acetate

TLV-TWA (ppm):
TLV-STEL (ppm):
Dir. 2006/15/EEC
8 h (ppm): 50 D
Short-term (ppm): 100 D

TLV-TWA (mg/m3):
TLV-STEL (mg/m3):

8 h. (mg/m³): 275 D
Short-term (mg/m³): 550 D

CAS Nr: 100-41-4

Name: ethylbenzene

TLV-TWA (ppm): 100 A3
TLV-STEL (ppm): 125
Dir. 2006/15/EEC
8 h (ppm): 100 D
Short-term (ppm): 200 D

TLV-TWA (mg/m3): 434
TLV-STEL (mg/m3): 543

8 h. (mg/m³): 442 D
Short-term (mg/m³): 884 D

CAS Nr: 1330-20-7

Name: xylene

TLV-TWA (ppm): 100 A4
TLV-STEL (ppm): 150
Dir. 2006/15/EEC
8 h (ppm): 50 D
Short-term (ppm): 100 D
umans.

TLV-TWA (mg/m3): 434
TLV-STEL (mg/m3): 651

8 h. (mg/m³): 221 D
Short-term (mg/m³): 442 D

CAS Nr: 123-86-4

Name: n-butyl acetate

TLV-TWA (ppm): 150	TLV-TWA (mg/m3): 713
TLV-STEL (ppm): 200	TLV-STEL (mg/m3): 950
Dir. 2006/15/EEC	
8 h (ppm):	8 h. (mg/m³):
Short-term (ppm):	Short-term (mg/m³):

D - Indicates a risk of absorption through the skin.
A3 - Carcinogenic in animals.
A4 - Not clasified as carcinogenic in humans

Personal protection

Respiratory protection:

Air-fed respiratory protective equipment should be worn when this product is sprayed. This should be in addition to other measures taken to reduce exposure (e.g. in booth design and operation and process modifications). Non-essential and unprotected people should be excluded from the area if exposure is possible.

Hand protection:

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types.

	Recommended gloves	Alternative gloves
Alcohol	Neoprene rubber	Nitril rubber
Glycol ester	Butyl rubber	Neoprene rubber
Halogen	Polyvinyl Alcohol	Nitro rubber
Ketone	Polyvinyl Alcohol	Latex rubber
Aliphatic hydrocarbons	Neoprene rubber	Nitril rubber
Aromatic hydrocarbons	Polyvinyl Alcohol	Nitril rubber
Esters	Polyvinyl Alcohol	Neoprene rubber
Ethers	Polyvinyl Alcohol	Nitril rubber

Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection:

Eye protection (e.g. glasses) designed to protect against liquid splashes should be worn.

Skin protection:

Anti-static cotton or cotton/synthetic overalls which are resistant to high temperatures are suitable.
Grossly contaminated cloth should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Viscous liquid	
Boiling point (ºC):	> 35 ºC	
Flash point: (ºC):	21 - 55 ºC	Method: Closed cup
Vapour density:	heavier than air	
Vapour explosion limit:	0,8 %	
Solubility in water:	Inmiscible	
pH:		
Density:	0,980 ± 0,005	

*Use in industrial facilities only.

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions. (See section 7). In case of fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.
Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available on special product-tests.
Exposure to organic solvent vapours above work exposure limits may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the kidneys, liver and central nervous systems. Symptoms can be headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, consciousness.
Repeated or prolonged contact with the product may result in removal of natural grease from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

There is no data available on special product-tests.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

CAS Nr: 41556-26-7

Name: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

Readily biodegradable:ND Bioaccumulation potential: ND LogPow: ND
BCF: ND

CAS Nr: 103-65-1

Name: propylbenzene

N-Class: 1mg/l < L(E)C50 < 10mg/l
Readily biodegradable: NotBioaccumulation potential: ND LogPow: 3,6
BCF: ND

CAS Nr: 108-67-8

Name: mesitylene

N-Class: 1mg/l < L(E)C50 < 10mg/l
Fish LC50 96 h (mg/l): 13
Readily biodegradable: NotBioaccumulation potential: ND LogPow: 3,93
BCF: 342

CAS Nr:

Name: Mixture of a-w-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-w-hydroxypoly(oxyethylene) and a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-?-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

N-Class: 1mg/l < L(E)C50 < 10mg/l
Readily biodegradable:ND Bioaccumulation potential: ND LogPow: ND BCF: ND

CAS Nr: 95-63-6

Name: 1,2,4-trimethylbenzene

N-Class: 1mg/l < L(E)C50 < 10mg/l
Readily biodegradable: Not Bioaccumulation potential: ND
LogPow: 4,09 BCF: 275

CAS Nr: 64742-95-6

Name: Solvent naphtha (petroleum), light arom.

N-Class: 1mg/l < L(E)C50 < 10mg/l
Readily biodegradable:ND Bioaccumulation potential: ND LogPow: 2,1-6 BCF: ND

CAS Nr: 108-65-6

Name: 2-methoxy-1-methylethyl acetate

N-Class: L(E)C50 > 100 mg/l
Fish Pimephales promelas - LC50 96 h (mg/l): 161
Bacteria Lodo activado - 0,5 h CE20 (mg/l): > 1000
Microorganisms Dapnia Magna - LC50 48 h (mg/l): > 500
Readily biodegradable: Yes Bioaccumulation potential: Not anticipated
LogPow: 0,43 BCF: ND

CAS Nr: 100-41-4

Name: ethylbenzene

N-Class: 10mg/l < L(E)C50 < 100mg/l
Fish LC50 96 h (mg/l): 12
Seaweed EC50 48 h (mg/l): 33
Readily biodegradable:ND Bioaccumulation potential: ND LogPow: 3,15 BCF: ND

CAS Nr: 1330-20-7

Name: xylene

N-Class: 10mg/l < L(E)C50 < 100mg/l
Seaweed EC50 48 h (mg/l): 1 - 100
Fish Oncorhynchus mykiss - LC50 96 h (mg/l): 13,5-17,3
Microorganisms Dapnia Magna - LC50 48 h (mg/l): 16
Readily biodegradable: Yes Bioaccumulation potential: Low
LogPow: 3,2 BCF: 10-15

CAS Nr: 123-86-4

Name: n-butyl acetate

N-Class: 10mg/l < L(E)C50 < 100mg/l
Bacteria Pseudomas putida - 16h CE10 (mg/l): 115
Fish Brachydanio rerio - LC50 96 h (mg/l): 62
Microorganisms Dapnia Magna - LC50 48 h (mg/l): 24/205
Seaweed Scenedesmus subspicatus - EC50 72h (mg/l): 675
Readily biodegradable: Yes Bioaccumulation potential: Low
LogPow: 1,79 BCF: ND

This preparation has been evaluated following the conventional calculation method of the European Directive 1999/45/EEC - Regulation of Dangerous Preparations and it is classified as harmful for the environment.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. It can be burned in appropriate installation, respecting the waste regulation of the local authorities.
Regarding packaging, please refer to Directive 94/62 DOCE L 365 of 31/12/94.

14. TRANSPORT INFORMATION

Transport always according to the ADR norms for road transport, the RID norms for the railway transport, the IMDG norms for the sea transport and the ICAO/IATA norms for air transport.

Proper Shipping Name: PAINT
UN no:1263 Packing Group: III
Road/rail (ADR - RID)
Class: 3 Classification Code: F1 Label: 3
Sea (IMDG)
Class: 3 Marine Pollutant: Label: 3
EmS: F-E,S-E
Air (ICAO-IATA)
Class: 3 Label: 3

15. REGULATORY INFORMATION

Under the terms of Directive 1999/45/EEC and later adoptions and modifications, the product is labelled as follows:
Harzard Symbols: (Xn) HARMFUL
Contains:
xylene
R-Pharses:
R10.- Flammable.
R20/21.- Harmful by inhalation and in contact with skin.
R36.- Irritating to eyes.
R52/53.- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-Phrases:
S23.- Do not breathe vapour.
S24/25.- Avoid contact with skin and eyes.
S29.- Do not empty into drains.
S51.- Use only in well-ventilated areas.
S60.- This material and its container must be disposed of as hazardous waste.
Other Phrases:
Contains SENSITIZING SUBSTANCE. May produce an allergic reaction.

16. OTHER INFORMATION

Complete text of R-phrases listed in Section 2:
R43.- May cause sensitisation by skin contact.
R50/53.- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65.- Harmful: may cause lung damage if swallowed. R37.-
Irritating to respiratory system.
R51/53.- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R10.- Flammable.
R20.- Harmful by inhalation.
R36/37/38.- Irritating to eyes, respiratory system and skin. R36.-
Irritating to eyes.
R11.- Highly flammable.
R20/21.- Harmful by inhalation and in contact with skin. R38.-
Irritating to skin.
R66.- Repeated exposure may cause skin dryness or cracking. R67.-
Vapours may cause drowsiness and dizziness.

In case of mixing different products, labels and safety data sheets of all products must be observed .
The information contained in this safety data sheet is based on the present state of knowledge and current national and EU legislation. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.
The information of the safety data sheet 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.
The information contained in this safety data sheet is provided in accordance with the requirements of Directive 2001/58/EEC and later adoptions and mod