



# Material Safety data sheet :

## PROTEGO UV Oil Base Coat & Top Coat Natural & White

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### 1. Identification of the substance/preparation and company

**Trade name**

PROTEGO UV Oil

**Chemical identification**

Acrylate copolymer

**Intended/recommended use:**

WOOD COATINGS

**Identification of the company**

Company:

Protego International Co., Ltd.  
91/76 Suwintawong Road,  
Minburi, Minburi,  
Bangkok 10510 Thailand

Tel: +66-(0) 2 159 0974

Fax: +66-(0)2 159 0975

**Emergency telephone number:** +66 89 996 5533

### 2. Composition/information on ingredients

Contains among other things	EINECS	CAS-no.	w/w-%	Classification
HDDA			15-20	Xi, R36/38 /R43
Wax and Additive			< 10	
DPGDA			8-10	Xi; R36-38/R43

### 3. Hazards identification

This product is not hazardous when handled under normal conditions of use. Repeated or prolonged skin contact may cause risk of eczema (non-allergic)

### 4. First aid measures

**General information**

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

Remove soaked clothing immediately.

**After inhalation**

Seek fresh air

**After contact with skin**

An industrial skin cleanser is preferred. Wash the skin with soap and water

Consult a doctor if skin irritation persists.

**After contact with eyes**

If easy to do, remove any contact lenses.

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, get medical attention if any discomfort continues.



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### After ingestion

Do not induce vomiting. Let the injured drink water or milk and get medical  
If vomiting should occur spontaneously keep airway clear.  
Seek medical advice.

### Burns:

Rinse with water until pain stops. Remove clothes with do not adhere to the body seek medical advice, if possible continue rinsing until doctor takes over treatment.

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## 5. Fire-fighting measures

The product is non-flammable but can be set on fire.

Remove container from fire areas, if possible. Cool containers exposed to flames with water until well after fire is out

Extinguishing material: alcohol resistant foam, powder or water fog.

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## 6. Accidental release measures

### Personal precautions

Protective measures are listed in sections 7 and 8.

Suitable gloves (See section 8).

Waterproof boots.

safety glasses

Remove soaked clothing immediately.

### Environmental precautions

Avoid discharge into the environment.

Stop leaks as soon as possible.

If the product gets into drains, inform the relevant authorities immediately.

Clean up spillage immediately.

### Methods for cleaning up/taking up

Remove with inert absorbent.

Scoop up into leakproof containers.

Brush up well.

Flush area thoroughly with water.

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## 7. Handling and storage



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### Handling

Information regarding personal protective measures see, section 8.  
Comply with the health and safety at work laws.  
Keep container tightly closed.  
Isolate from sources of heat, sparks and open flame.  
Do not eat, drink or smoke in application area.  
Avoid contact with eyes and skin  
Avoid the inhalation of spray mist arising from the application.  
Always keep in containers of same material as the original one.  
The material is to be handled and stored in materials which are resistant to water (stainless steel, plastic materials).  
After drying the product gives a film which adheres to flat surfaces; so rinse all the vessels with plenty of water immediately after use.

### Storage

Prevent unauthorised access.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
This material should not be stored for more than the period mentioned on the Technical Data Sheet (TDS).  
Protect from frost.  
A bacteriological contamination can take place if the product is stored for a long time in a container which is not closed or which was not clean.  
Store at a temperature between 4 to 40 °C

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## 8. Exposure controls/personal protection

### Exposure limit values - Exposure control

#### Personal protection

Respiratory protection :	Under conditions of frequent use or heavy exposure, respiratory protection may be needed. In situations where misting or flying may occur, use appropriate certified respirators. Ensure adequate ventilation.
Hand protection :	Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Wear rubber gloves. Do not wear PVC gloves as PVC absorbs acrylates. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.
Eye protection :	Use safety eyewear designed to protect against splash of liquids.
Skin protection:	Wear suitable protective clothing. Do not wear contaminated clothing.

**Environmental exposure controls:** See the Community Environmental Protection Legislation.

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## 9. Physical and chemical properties

### General information:

Appearance:	Liquid.
Odour :	Weak

### Important health, safety and environmental information:



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Freezing point / interval:	ca. 0 °C
Boiling point / interval:	ca. 100 °C
Flash point :	- °C
Explosion properties:	None.
Vapour pressure :	> 20 hPa
Relative density :	ca. 1.0-1.15 kg/l
Solubility in water :	Not soluble
pH value :	-
Octanol/water partition coefficient (log Pow) :	Not available
Fat solubility (solvent-oil):	Not available
Viscosity :	3 min. (25 °C) Method : DIN CUP#4
<b>Other information (phys.-chem.):</b>	
Solids content:	ca. 98 %

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### 10. Stability and reactivity

**Conditions to avoid:**

Avoid temperature higher than 40°C.  
This product is stable at room temperature and in normal handling conditions.

**Materials to avoid:**

Avoid products which react with water.

**Hazardous decomposition products**

None to our knowledge.

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### 11. Toxicological information

**Toxicological (health) effects and possible symptoms after exposure:**

When the preparation testdata are not available, the preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

**Information on the product:**

In accordance with the provision of Council Directive 86/609/EEC to reduce animal testing, no studies are performed on the preparation.

**Information on the component(s):**

Polymers/copolymers

Isolation of the polymer is not possible; based on the high molecular weight and functional groups it is expected that the components will not be bioavailable.

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### 12. Ecological information



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When the preparation test data are not available, the preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

### Information on the product:

This product may not be released into water without any treatment.

### Test results on the product:

Ecotoxicity:	No data available.
Persistence and degradability:	No data available.
Mobility:	No data available.
Bioaccumulative potential:	No data available.

### Information on the component(s):

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## 13. Disposal considerations

### Product

Do not allow to enter soil, waterways or waste water canal.  
The product may be disposed of under controlled incineration and in agreement with local and national legislation.  
Coagulate with ferric chloride, calcium chloride or aluminium sulphate.  
After decanting the water phase can be rejected to a wastewater treatment facility.  
The coagulated phase must be sent to a suitable disposal facility.  
Send to special chemical waste disposal facility.

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## 14. Transport information

ADR	NOT REGULATED FOR TRANSPORT.
RID	NOT REGULATED FOR TRANSPORT.
IMDG	NOT REGULATED FOR TRANSPORT.
IATA	NOT REGULATED FOR TRANSPORT.

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## 15. Regulatory information

### Labelling / classification in accordance with EC directives

Classification of preparation, in accordance with Directive 1999/45/EC.  
No classification required according to Directive 67/548/EEC, Directive 1999/45/EC and further Amendments and Adaptations.

### EC:

All components may be commercialized according EEC/92/32 directive.

### National regulations

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## 16. Other information

### Recommended restrictions on use:

For industrial use only



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### References for specific use guidelines:

No references available.

### Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; [www.acgih.org](http://www.acgih.org)  
BS, MB = Belgisch Staatsblad, Moniteur Belge, Belgisches Staatsblatt.  
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road  
BOD/COD = Biological/Chemical Oxygen Demand  
CAS = Chemical Abstract Service number; [www.cas.org](http://www.cas.org)  
DFG = Deutsche Forschungsgemeinschaft; German Research Community; [www.dfg.de](http://www.dfg.de)  
(E)EC = European Community  
GBB-VLEP = Grenswaarden voor beroepsmatige blootstelling, Valeurs Limites d'Exposition Professionnelle, Occupational Exposure Limits (Belgium).  
IATA = International Air Transport Association; [www.iata.org](http://www.iata.org)  
IMDG = International Maritime Dangerous Goods Code  
IUCLID = International Unified Chemicals Information Database; <http://ecb.jrc.it/>  
MAK = Maximale Arbeitsplatz-Konzentration; Maximum concentration on the working area  
NLP = No Longer Polymer  
OECD = Organisation for Economic Co-operation and Development; [www.oecd.org](http://www.oecd.org)  
OEL = Occupational Exposure Limit  
P.I.I. = Primary Irritation Index  
RID = International Agreement Concerning the Transport of Dangerous Goods by Train  
STEL = Short Term Exposure Limit  
TLV = Treshold Limit Value  
TWA = Time Weighted Average  
UN = United Nations; [www.un.org](http://www.un.org)

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( || ) Denotes a revision from the previous version of this MSDS.