# SAFETY DATA SHEET PROPEEL

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

Product name PROPEEL

Product number G4602

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses PEELABLE COATING

## 1.3. Details of the supplier of the safety data sheet

Supplier ORAPI APPLIED LIMITED,

SPRING ROAD, SMETHWICK,

WEST MIDLANDS, B66 1PT, ENGLAND

Tel: 0121-525-4000 Fax: 0121-525-4919

lee.baughan@orapiapplied.com

Contact person Lee Baughan

## 1.4. Emergency telephone number

**Emergency telephone** 0121 525 4000 (09:00 - 17:00 hrs)

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

## Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373

Asp. Tox. 1 - H304

Environmental hazards Not Classified

Human health The product is irritating to eyes and skin. Contains a substance/a group of substances which

may damage the unborn child. Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness.

Nausea, vomiting.

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are

heavier than air and may travel along the floor and accumulate in the bottom of containers.

## 2.2. Label elements

#### **Pictogram**







Signal word

Danger

Hazard statements H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.

Contains TOLUENE, ACETONE, MINERAL OIL

Supplementary precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P240 Ground/ bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe vapour/ spray.

P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P302+P352 IF ON SKIN: Wash with plenty of water. P314 Get medical advice/ attention if you feel unwell.

P331 Do NOT induce vomiting.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

## 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

TOLUENE		30-60%
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01- 2119471310-51-XXXX
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
Repr. 2 - H361d		
STOT SE 3 - H336		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		

ACETONE

CAS number: 67-64-1

EC number: 200-662-2

REACH registration number: 01-2119471330-49-XXXX

Classification

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319

STOT SE 3 - H336

DI-ISONONYL PHTHALATE

CAS number: 28553-12-0

EC number: 249-079-5

REACH registration number: 01-2119430798-28-XXXX

Classification

Not Classified

TITANIUM DIOXIDE

CAS number: 13463-67-7 EC number: 236-675-5 REACH registration number: 01-2119489379-17-XXXX

Classification
Not Classified

Polyvinyl Chloride
CAS number: 9002-86-2

Classification
Not Classified

 MINERAL OIL
 1-3%

 CAS number: 64742-65-0
 EC number: 265-169-7
 REACH registration number: 01-2119471299-27-XXXX

 Classification
 Asp. Tox. 1 - H304

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## **PROPEEL**

#### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information** Show this Safety Data Sheet to the medical personnel.

**Inhalation** Move affected person to fresh air at once. If breathing stops, provide artificial respiration.

Keep affected person warm and at rest. Get medical attention immediately.

**Ingestion** Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical

attention immediately. Promptly get affected person to drink large volumes of water to dilute

the swallowed chemical.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing and

rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Get medical attention immediately. Continue to rinse.

## 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation** Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** May cause nausea, headache, dizziness and intoxication. Congestion of the lungs may occur,

producing severe shortness of breath.

**Skin contact** Skin irritation. Prolonged contact may cause redness, irritation and dry skin.

Eye contact Irritation of eyes and mucous membranes.

## 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

## 5.2. Special hazards arising from the substance or mixture

Specific hazards Vapours are heavier than air and may travel along the floor and accumulate in the bottom of

containers. Vapours may be ignited by a spark, a hot surface or an ember. The product is highly flammable. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a

source of ignition and flash back.

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances: Oxides

of carbon.

## 5.3. Advice for firefighters

Protective actions during

firefighting

Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to flames with water until well after the fire is out. Move containers from fire area if it can be done without risk. Use water spray to reduce vapours. If risk of water

pollution occurs, notify appropriate authorities.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Avoid inhalation of vapours and contact with skin and eyes. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.2. Environmental precautions

#### **Environmental precautions**

Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

## 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

Absorb small quantities with paper towels and evaporate in a safe place. Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

#### 6.4. Reference to other sections

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

## Usage precautions

Keep away from heat, sparks and open flame. Avoid contact with skin and eyes. Avoid inhalation of vapours. Avoid spilling. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level. Avoid contact with the following materials: Acids. Moisture. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Earth container and transfer equipment to eliminate sparks from static electricity.

Storage class

Flammable liquid storage.

#### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

## 8.1. Control parameters

## Occupational exposure limits

#### **TOLUENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³ Sk

#### **ACETONE**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

## **DI-ISONONYL PHTHALATE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

## **TITANIUM DIOXIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

## **PROPEEL**

### **Polyvinyl Chloride**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

## **TOLUENE (CAS: 108-88-3)**

**DNEL** Workers - Inhalation; Long term systemic effects: 192 mg/m³

Workers - Inhalation; Short term systemic effects: 384 mg/m³ Workers - Inhalation; Long term local effects: 192 mg/m³ Workers - Dermal; Long term systemic effects: 384 mg/m³

General population - Inhalation; Long term systemic effects: 56.5 mg/m³ General population - Inhalation; Short term systemic effects: 226 mg/m³ General population - Inhalation; Long term local effects: 56.5 mg/m³ General population - Inhalation; Short term local effects: 226 mg/m³ General population - Dermal; Long term systemic effects: 226 mg/kg/day General population - Oral; Long term systemic effects: 8.13 mg/kg/day

PNEC - Fresh water; 0.68 mg/l

- Sediment (Freshwater); 16.39 mg/l

- STP; 13.61 mg/l - Soil; 2.89 mg/kg

- Marine water; 0.68 mg/l

- Sediment (Marinewater); 16.39 mg/kg

## **ACETONE (CAS: 67-64-1)**

**DNEL** Industry - Dermal; Long term systemic effects: 186 mg/kg/day

Industry - Inhalation; Short term local effects: 2420 mg/m³ Industry - Inhalation; Long term systemic effects: 1210 mg/m³

Consumer - Oral; Long term : 62 mg/kg/day Consumer - Dermal; Long term : 62 mg/kg/day Consumer - Inhalation; Long term : 200 mg/m³

PNEC - Fresh water; 10.6 mg/l

- Marine water; 1.06 mg/l

Sediment (Freshwater); 30.4 mg/kgSediment (Marinewater); 3.04 mg/kg

- STP; 29.5 mg/l - Soil; 0.112 mg/kg

# DI-ISONONYL PHTHALATE (CAS: 28553-12-0)

**DNEL** Workers - Inhalation; Long term systemic effects: 51.72 mg/m³

Workers - Dermal; Long term systemic effects: 366 mg/kg/day

General population - Inhalation; Long term systemic effects: 15.3 mg/m³ General population - Dermal; Long term systemic effects: 220 mg/kg/day General population - Oral; Long term systemic effects: 4.4 mg/kg/day

PNEC - Soil; 30 mg/kg

#### TITANIUM DIOXIDE (CAS: 13463-67-7)

**DNEL** Workers - Inhalation; Long term local effects: 10 mg/m³

General population - Inhalation, Oral; Long term systemic effects: 700 mg/kg/day

## **PROPEEL**

PNEC - Fresh water; 0.184 mg/l

- Marine water; 0.0184 mg/l

Sediment (Freshwater); 1000 mg/kgSediment (Marinewater); 100 mg/kg

Soil; 100 mg/kgSTP; 100 mg/l

#### 8.2. Exposure controls

#### Protective equipment













Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Butyl rubber. Polyvinyl alcohol (PVA). Polytetrafluoroethylene (PTFE, Teflon). Thickness: ≥ 0.4 mm To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body

protection

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or

prolonged skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

Wear a full facepiece respirator fitted with the following cartridge: Organic vapour filter.

# SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Appearance Liquid. Mobile liquid.

Colour White.

Odour Solvent.

Initial boiling point and range 56 - 110 @°C @ 760mmHg

Flash point - 17°C CC (Closed cup).

Upper/lower flammability or

explosive limits

: 1.0

Vapour density > 1.0

Relative density 0.92 @ 20°C

Solubility(ies) Slightly soluble in water.

#### 9.2. Other information

## **PROPEEL**

Volatile organic compound This product contains a maximum VOC content of 677 g/litre.

#### **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Avoid the following

conditions: Heat, sparks, flames.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods

of time. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong reducing agents.

#### 10.6. Hazardous decomposition products

Hazardous decomposition

products

Heating may generate the following products: Oxides of carbon.

## SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

General information Prolonged and repeated contact with solvents over a long period may lead to permanent

health problems.

**Inhalation** Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Vapours may cause drowsiness and dizziness. Vapours have a narcotic effect. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea,

vomiting.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea,

headache, dizziness and intoxication. Pneumonia may be the result if vomited material

containing solvents reaches the lungs.

**Skin contact** Irritating to skin. Prolonged or repeated exposure may cause severe irritation. May be

absorbed through the skin.

**Eye contact** Irritating to eyes. Repeated exposure may cause chronic eye irritation.

Acute and chronic health

hazards

Contains a substance/a group of substances which may damage the unborn child.

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

12.4. Mobility in soil

**Mobility** The product is insoluble in water and will spread on the water surface. The product contains

organic solvents which will evaporate easily from all surfaces.

## 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

VD

This product does not contain any substances classified as PBT or vPvB.

## 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods**Dispose of waste via a licensed waste disposal contractor. Confirm disposal procedures with

environmental engineer and local regulations.

## **SECTION 14: Transport information**

#### 14.1. UN number

**UN No. (ADR/RID)** 1263

**UN No. (IMDG)** 1263

**UN No. (ICAO)** 1263

**UN No. (ADN)** 1263

## 14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

Paint Related Materials (contains Toluene and Acetone)

Proper shipping name (IMDG) Paint Related Materials (contains Toluene and Acetone)

Proper shipping name (ICAO) Paint Related Materials (contains Toluene and Acetone)

Proper shipping name (ADN) Paint Related Materials (contains Toluene and Acetone)

## 14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

## Transport labels



## **PROPEEL**

#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group

ADN packing group

ICAO packing group

## 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

## 14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 2

Emergency Action Code •3YE

Hazard Identification Number 33

(ADR/RID)

Tunnel restriction code (D/E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

# SECTION 15: Regulatory information

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Guidance Workplace Exposure Limits EH40.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

#### **PROPEEL**

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by

Inland Waterways.

CAS: Chemical Abstracts Service.

DNEL: Derived No Effect Level.

GHS: Globally Harmonized System.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LC₅o: Lethal Concentration to 50 % of a test population.

LD₅o: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation

(EC) No 1907/2006.

RID: European Agreement concerning the International Carriage of Dangerous Goods by

Rail.

SVHC: Substances of Very High Concern.

vPvB: Very Persistent and Very Bioaccumulative. cATpE: Converted Acute Toxicity Point Estimate. EC<sub>50</sub>: 50% of maximal Effective Concentration.

UN: United Nations.

IBC: International Code for the Construction and Equipment of Ships carrying Dangerous

Chemicals in Bulk (International Bulk Chemical Code).

General information

For further information or advice contact our technical service line during regular office hours

on 0121-524-1000.

This safety data sheet has been compiled for the product as supplied, properties and hazards

will vary if the product is diluted with water or mixed with any other material.

Revision date 14/06/2017

Revision 11

Supersedes date 29/05/2015

SDS status Approved.

Hazard statements in full H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H361d Suspected of damaging the unborn child by inhalation.

H373 May cause damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs (Central nervous system) through prolonged or repeated

exposure if inhaled.

Signature Health and Safety Manager

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.