

SAFETY DATA SHEET

PROPEEL CL

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

1.1. Product identifier

Product name PROPEEL CL
Product number G4604

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

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. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Splashes in the eyes may cause redness and irritation. Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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. Heating may generate flammable vapours. Vapours may form explosive mixtures with air. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Pictogram



Signal word

Danger

PROPEEL CL

Hazard statements	<p>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.</p>
Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations.</p>
Contains	ACETONE, TOLUENE
Supplementary precautionary statements	<p>P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water. 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. P308+P313 IF exposed or concerned: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs: Get medical advice/attention. 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.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ACETONE		30-60%
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67	
Eye Irrit. 2 - H319		
STOT SE 3 - H336		

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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 Asp. Tox. 1 - H304 STOT SE 3 - H336 STOT RE 2 - H373	Classification (67/548/EEC or 1999/45/EC) F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67	
DI-ISONONYL PHTHALATE		1-5%
CAS number: 28553-12-0	EC number: 249-079-5	REACH registration number: 01-2119430798-28-xxxx
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	If medical attention is required present a copy of this datasheet to the physician.
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. 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 discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.
Skin contact	Skin irritation. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritation of eyes and mucous membranes. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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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. May form explosive or toxic mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

Hazardous combustion products Does not decompose when used and stored as recommended. 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. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. 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 Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin and eyes. Do not breathe vapour. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. No smoking, sparks, flames or other sources of ignition near spillage. Take precautionary measures against static discharges.

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 Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. 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

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Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. 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. Static electricity and formation of sparks must be prevented.

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. Take precautionary measures against static discharges.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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

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

DI-ISONONYL PHTHALATE

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

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

Ingredient comments Sk= Kan geabsorbeerd worden door de huid.

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/kg
 - Sediment (Marinewater); 3.04 mg/kg
 - STP; 29.5 mg/l
 - Soil; 0.112 mg/kg

TOLUENE (CAS: 108-88-3)

PROPEEL CL

DNEL

Consumer - Oral; Long term systemic effects: 8.13 mg/kg/day
 Industry - Dermal; Long term systemic effects: 384 mg/m³
 Consumer - Inhalation; Short term local effects: 226 mg/m³
 Consumer - Inhalation; Short term systemic effects: 226 mg/m³
 Industry - Inhalation; Short term systemic effects: 384 mg/m³
 Industry - Inhalation; Short term local effects: 384 mg/m³
 Industry - Inhalation; Long term local effects: 192 mg/m³
 Consumer - Inhalation; Long term systemic effects: 56.5 mg/m³
 Industry - Inhalation; Long term systemic effects: 192 mg/m³

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

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Wear protective gloves made of the following material: Butyl rubber. Polyvinyl alcohol (PVA). Polytetrafluoroethylene (PTFE, Teflon).

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. Wear apron or protective clothing in case of contact.

Hygiene measures

Wash hands 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

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Relative density 0.888 @ @ 20°C

Solubility(ies) Slightly soluble in water.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 682 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

Stability No particular stability concerns. Avoid the following conditions: Heat, sparks, flames.

10.3. Possibility of hazardous reactions

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 Does not decompose when used and stored as recommended. 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. Gas or vapour in high concentrations may irritate the respiratory system. Vapours in high concentrations are narcotic. 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. Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards Contains a substance/a group of substances which may damage the unborn child. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting. Headache.

Toxicological information on ingredients.

PROPEEL CL**ACETONE****Acute toxicity - oral**

Acute toxicity oral (LD₅₀ 5,800.0
mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 20,000.0
mg/kg)

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation 76.0
(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 76.0
mg/l)

TOLUENE**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ 5,000.0
mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 12,124.0
mg/kg)

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation 5,320.0
(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 5,320.0
mg/l)

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.**ACETONE**

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Acute toxicity - fish	LC50, 96 hours, 96 hours: 8300 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: 8800 mg/l, Daphnia magna

TOLUENE

Acute toxicity - fish	LC50, 96 hours, 96 hours: 5.5 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: 3.78 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours, 72 hours: 10 mg/l, Freshwater algae

12.2. Persistence and degradability

Persistence and degradability The product is not expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is immiscible with water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment 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.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 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

IMDG class 3.2

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Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

Emergency Action Code 3YE

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

PROPEEL CL

Abbreviations and acronyms used in the safety data sheet	<p>RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.</p> <p>ADR: European Agreement concerning the International Carriage of dangerous Goods by Road.</p> <p>IMDG: International Maritime Code for Dangerous Goods.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals.</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances.</p> <p>CAS: Chemical Abstract Service.</p> <p>DNEL: Derived No-Effect Level.</p> <p>PNEC: Predicted No-Effect Concentration.</p> <p>LD50: Lethal dose, 50 percent.</p> <p>LC50: Lethal concentration, 50 percent.</p> <p>WEL: Workplace Exposure Limit.</p> <p>STEL: Short Term Exposure Limit.</p> <p>TWA: Time Weighted Average.</p> <p>PBT: Persistent Bioaccumulative Toxic.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
General information	<p>For further information or advice contact our technical service line during regular office hours on 0121-524-1000.</p> <p>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.</p>
Revision comments	<p>The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of the work place risk as required by other Health and Safety Legislation.</p>
Revision date	01/06/2015
Revision	10
Supersedes date	27/02/2015
SDS status	Approved.
Signature	Health and Safety Manager
Risk phrases in full	<p>R11 Highly flammable.</p> <p>R36 Irritating to eyes.</p> <p>R38 Irritating to skin.</p> <p>R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.</p> <p>R63 Possible risk of harm to the unborn child.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p> <p>R66 Repeated exposure may cause skin dryness or cracking.</p> <p>R67 Vapours may cause drowsiness and dizziness.</p>
Hazard statements in full	<p>H225 Highly flammable liquid and vapour.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>

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.