

PAL CLEAN

Health & Safety Data Sheet

1) IDENTIFICATION OF PREPARATION

Product Name: PAL Clean

Part Number: 01PC98035

2) COMPOSITION INFORMATION ON INGREDIENTS

Ingredient Name	EINECS No.	CAS No.	Contents	Symbol	Risk (R No.)
Cycloparaffinic Hydrocarbon Solvent Blend	265-150-3	64742-48-9	10-30%	Fo, Xn, N	10,38,51/53,65
Propylbenzene	202-704-5	98-82-8	1-5%	Fo, Xn, N	10,37,51/53,65
Mesitylene	203-604-4	108-67-8	1-5%	Xi, N	10,37,51/53,51/53
1,2,4-Trimethylbenzene	202-436-9	95-63-6	10-30%	Xn, N	10,20,36/37/38,51/53
Solvent Naphtha (Petroleum), Heavy Arom; Kerosine - Unspecified	265-198-5	64742-94-5	10-30%	Xn	65
Dipropylene Glycol Monomethyl Ether	252-104-2	34590-94-8	30-60%	NC	36
Hydrocarbon Aerosol Propellant	-	68476-85-7	1-5%	Fx	-

The full text for all R-phrases is shown in section 16. Risk phrases in this section apply only to individual constituents and not the finished preparation.

3) HAZARDS IDENTIFICATION

- Extremely flammable.
- Irritating to eyes and skin.
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4) FIRST AID MEASURES

Inhalation:	If inhaled, provide fresh air, seek medical attention if irritation persists.
Ingestion:	DO NOT induce vomiting. Seek medical attention immediately and show this safety data sheet.
Skin:	Wash affected area with soap and water. If irritation persists seek medical attention.
Eyes:	In case of contact with eyes, rinse with water until irritation subsides. If irritation persists, seek medical attention.

5) FIRE FIGHTING MEASURES

Extinguishing Media:	Powder, foam or CO2. Do not use a water jet.
Hazardous Decomposition Products:	Oxides of carbon, noxious fumes.
Protective Measures In Fire:	In the event of fire protect against exploding cans. Water spray may be used to cool aerosol cans.

6) ACCIDENTAL RELEASE MEASURES

Spill Cleanup Methods:	This product is a hermetically sealed pressurised aerosol unit and accidental spillage is unlikely. If can is ruptured, allow contents to discharge in situ, whilst removing all ignition sources from the area and ensuring maximum ventilation. Use an absorbent material, e.g. sand, to mop up residues. See section 13 'Disposal Considerations'.
-------------------------------	---

7) HANDLING AND STORAGE

Usage Precautions:	Do not spray on a naked flame or any incandescent material.
Storage Precautions:	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. It is recommended that aerosols are stored in their own location away from bulk flammable liquids and packaging materials. Store in a cool, dry place away from heat and ignition sources.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient Name	CAS No.	STD	LT EXP (8 hrs)	ST EXP (15 min)
Cycloparaffinic Hydrocarbon Solvent Blend	64742-48-9	OES	200 mg/m ³	No std.
Propylbenzene	98-82-8	OES	25 ppm(Sk)	75 ppm(Sk)
1,2,4-Trimethylbenzene	95-63-6	OES	125 mg/m ³	No std.
Dipropylene Glycol Monomethyl Ether	34590-94-8	OES	50 ppm(Sk)	No std.
Hydrocarbon Aerosol Propellant	68476-85-7	OES	400 ppm	400 ppm

Ingredient Comments: OES = Occupational Exposure Standard. Sk denotes that ingredient can be absorbed through the skin.

Ventilation:	Ensure adequate ventilation.
Protective Gloves:	Use protective gloves.
Eye Protection:	Use eye protection
Hygienic Work Routines:	Personal Protection; Wear personal protective equipment appropriate to the task.

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical Data Comments: Not applicable – product is a hermetically sealed aerosol unit.

10) STABILITY AND REACTIVITY

Stability:	There are no known stability problems associated with this product when stored and used under the conditions recommended.
Materials To Avoid:	Acids and oxidising agents.

11) TOXICOLOGICAL INFORMATION

Health Hazards, General:	An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this product. Health hazards associated with aerosols are considered to be limited due to their hermetically sealed nature.
Inhalation:	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
Ingestion:	Harmful. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause lung damage.
Skin:	Irritating to skin.
Eyes:	Irritating to eyes.

12) ECOLOGICAL INFORMATION

Environmental Hazards:	An ecotoxicity study of this product has not been conducted. However this product is classified as Dangerous for the Environment. Do not discharge into waste or waterways. If this occurs inform local authorities immediately.
-------------------------------	--

13) DISPOSAL CONSIDERATIONS

Disposal Methods:	Recycle empty containers if facilities are available. Dispose of in accordance with local authority recommendations.
--------------------------	--

14) TRANSPORT INFORMATION

Road:
UN No: 1950 **ADR Class No:** 2
ADR Pack GR: 5F **Proper Shipping Name I:** Aerosols
Rail/Sea:
UN Sea: 1950 **Sea Transport Class No:** 2.1
Sea Transport Notes: Marine Pollutant
Air:
UN Air: 1950 **Air Transport Class No:** 2.1

15) REGULATORY INFORMATION

Label for Supply:



Extremely Flammable



Irritant



Dangerous For The Environment

Risk Phrases:	R-12	Extremely flammable.
	R-36/38	Irritating to eyes and skin.
	R-51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:	S-16	Keep away from sources of ignition – No Smoking.
	S-2	Keep out of reach of children.
	S-23	Do not breathe gas/fumes/vapour/spray.
	S-24/25	Avoid contact with skin and eyes.
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-51	Use only in well ventilated areas.	

UK Regulatory References:	Chemicals (Hazard Information & Packaging) Regulations.
----------------------------------	---

16) OTHER INFORMATION

User Notes:	The purpose of the above information is to describe this product only in terms of Health and Safety requirements. The information given therefore should not be construed as guaranteeing specific properties or specification. Customers should satisfy themselves as to the suitability and completeness of this information for their own particular use, bearing in mind any other Health and Safety legislation or regulations. The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is construed as a warranty or representation. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.	
Information Sources:	British Aerosol Manufacturers Association Code of Practice. HSE EH40 Occupational Exposure Limits. Suppliers health & safety data sheets.	
R-Phrases (full text):	R-10	Flammable.
	R-20	Harmful by inhalation.
	R-36	Irritating to eyes.
	R-37	Irritating to respiratory system.
	R-38	Irritating to skin.
	R-36/37/38	Irritating to eyes, respiratory system and skin.
	R-51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-65	Harmful: may cause lung damage if swallowed.	

Date: 19.04.04

May 2005