

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

PRODUCT NAME CLEANER PTB

CHEMICAL FAMILY Dry cleaning spotting agent.

COMPANY NAME COLE & WILSON LTD, NABBS LANE, SLAITHWAITE, HUDDERSFIELD, W. YORKSHIRE, HD7 5AT

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2. HAZARD IDENTIFICATION

PRODUCT IS FLAMMABLE Harmful by inhalation. High exposures by inhalation may produce anaesthetic effects. May cause eye irritation. Repeated exposure to levels above the occupational exposure limit may produce adverse effects on the liver and kidneys.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISATION	Monochlorobenzene	602-033-00-1
	2-(2-Butoxyethoxy)ethanol	112-34-5

4. FIRST AID MEASURES

INHALATION Remove to fresh air, rest and keep warm.
If exposure severe seek medical attention.

SKIN CONTACT Wash well with soap and water.
Remove contaminated clothing and wash before re-use.

EYE CONTACT Irrigate with water for 10 minutes.
Obtain medical attention if irritation persists.

INGESTION If patient conscious give water to drink.
Do not induce vomiting.
Obtain medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA Foam, CO² or dry powder.

SPECIAL PRECAUTIONS Self contained breathing apparatus and suitable protective clothing must be worn in fire condition.

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6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP	Take up with absorbent material, e.g. sand, sawdust. Rinse away remainder with water.
ENVIRONMENTAL PRECAUTIONS	Eliminate sources of ignition. Wear full protective clothing including respiratory protection. Do not allow to get into waste or waterways.

7. HANDLING AND STORAGE

HANDLING	Use only in well ventilated areas. Avoid contact with skin and eyes.
STORAGE	Keep away from sources of ignition. Keep in a cool, well ventilated place away from oxidising agents, acids, alkalis and foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION	Wear suitable respiratory protective equipment if exposure levels are higher than OEL. Observe normal standards of industrial hygiene for handling chemicals. Wear gloves, protective goggles. Avoid eye contact.	
OCCUPATIONAL EXPOSURE LEVELS (OEL)	Chlorobenzene - 1 ppm 8 hr TWA.	3 ppm STEL

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	Clear liquid.
COLOUR	Yellow.
ODOUR	Characteristic.
CHANGES IN PHYSICAL STATE	Approximately 130°C.
FLASH POINT	>37°C.
IGNITION TEMPERATURE	Not determined.
EXPLOSION LIMITS	Not determined.
VAPOUR PRESSURE	Not determined.
DENSITY	Approximately 1.025 @ 15°C.
SOLUBILITY	Emulsifiable in water, soluble in perklone.
pH VALUE	9/10.
VISCOSITY	At 20°C : approx 5cps.

10. STABILITY & REACTIVITY

THERMAL DECOMPOSITION	>150°C.
HAZARDOUS REACTIONS	May react violently with alkali metals and strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS	Hydrogen chloride and oxides of carbon.

11. TOXICOLOGICAL INFORMATION

INHALATION	The vapour has anaesthetic properties and when inhaled at high concentrations, may cause respiratory irritation, headache, fatigue, dizziness and incoordination.
DERMAL COMPATIBILITY	May cause skin irritation in sensitive individuals. Mildly toxic by skin contact.
EYE CONTACT	Will cause eye irritation. Permanent damage is unlikely.
INGESTION	The swallowing of small amounts is unlikely to cause adverse effects. Large doses may produce nausea, vomiting and general weakness.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The substance is expected to have a low potential for bioaccumulation. The substance is predicted to have a high mobility in soil. There is evidence of photodegradation in air. The substance is slowly biodegradable in water and soil.
Other ecological information	Harmful to aquatic organisms.
Further information	The substance is anticipated to be partially removed in biological treatment processes.

13. DISPOSAL CONSIDERATIONS

ADVICE ON DISPOSAL	In accordance with local authority regulations, e.g. special waste disposal or incinerate.
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14. TRANSPORT INFORMATION

UN NO.	1134 (chlorobenzene as the main ingredient).
PACKAGING GROUP	III
IMDG PAGE NO.	10050 (chlorobenzene).
MARINE POLLUTANT	No.
ADR/RID	Class: 3.

15. REGULATORY INFORMATION

EEC Classification - Harmful.

Hazard Symbol - Xn.

RISK PHRASES

R10: Flammable.

R20: Harmful by inhalation.

R51/53 Toxic to aquatic organisms may cause long term adverse effects in the aquatic environment

SAFETY PHRASES

S24/25: Avoid contact with skin and eyes.

S61 avoid release to the environment.

WATER HAZARD CLASS (WGK)

2 self classification.

16. OTHER INFORMATION.

Original Date of Issue

25th October, 1994.

revised October 2010

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

I Wright , CHEMIST