

# MATERIAL SAFETY DATA SHEET

834 0199

## Balcony Coat Thinner



"maintenance made easy"

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **BALCONY COAT THINNER**  
 Company Name: Polycote UK  
 Centre Point • Wolseley Road  
 Woburn Road Industrial Estate  
 Kempston • Beds MK42 7EF  
 Telephone Number: 01234 846400

### SECTION 2: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]:  
 Flam. Liq. 3 / H226; STOT SE 3 / H335; Aquatic Chronic 2 / H411.

Hazard pictograms:



Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.  
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P405 Keep locked up.

Contains: n-butyl acetate  
 Solvent naphtha (petroleum), light arom.

Supplemental Hazard information (EU):  
 Not applicable.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

EC No:	CAS No:	Classification	Percent
N-BUTYL ACETATE			
204-658-1	123-86-4	Flam. Liq. 3 H226; STOT SE 3 H336	2,5 - 10%
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.			
265-199-0	64742-95-6	Flam Liq. 3 H226; Asp. Tox. 1 H304; STOT SE 3 H335; STOT SE 3 H336; Aquatic Chronic 2 H411	75 - 100%

### SECTION 4: FIRST AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Inhalation: Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**  
 In all cases of doubt, or when symptoms persist, seek medical advice.

### SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam, carbon dioxide, Powder, spray mist, (water).

Unsuitable media: Strong water jet.

Exposure hazards: Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Advice for firefighters: Provide a conveniently located respiratory protective device.

Additional information: Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

Environmental precautions: Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Methods for cleaning up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).  
 Clean using cleansing agents. Do not use solvents.

### SECTION 7: HANDLING AND STORAGE

Handling: Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Product may become electrostatically charged: When transferring, earthed pipework shall be used exclusively. Anti-static clothing including shoes are recommended. Use only spark proof tools. Avoid contact with eyes and skin. Do not breathe vapours. When using do not eat, drink or smoke. Follow the legal protection and safety regulations.

Precautions against fire and explosion: Vapours are heavier than air. Vapours form explosive mixtures with air.

Storage: Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure – no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

**Polycote Balcony Coat Thinner – Cont.****SECTION 7: HANDLING AND STORAGE – Cont.**

Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep away from amines, alcohols and water.

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5°C and 25°C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Occupational exposure limit values:

n-butyl acetate

TWA: 724 mg/m<sup>3</sup>; 150 ppm STEL: 966 mg/m<sup>3</sup>; 100 ppm

Additional information

TWA : long-term occupational exposure limit value.

STEL : short-term occupational exposure limit value.

Ceiling : peak limitation.

DNEL:

n-butyl acetate

DNEL long-term inhalative (local), Workers: 480 mg/m<sup>3</sup>

DNEL long-term inhalative (systemic), Workers: 480 mg/m<sup>3</sup>

**Exposure controls:** Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Respiratory protection:** If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

**Hand protection:** For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber) Thickness of the glove material  $\geq 0,4$  mm; Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye protection:** Wear closed protection glasses.

**Protective clothing:** Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures:** After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental:** Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

State:	Liquid
Colour:	Colourless
Odour:	Aromatic
Initial boiling point:	120°C
Flash point:	47°C
Vapour pressure at 20°C:	5 mbar
Relative density:	0,873 g/cm <sup>3</sup>
Solubility:	Insoluble
Auto ignition temp:	415°C
Viscosity at 23°C:	1 mPa·s

**SECTION 10: STABILITY AND REACTIVITY**

Chemical stability:	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.
Hazardous reactions:	Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
Conditions to avoid:	Hazardous decomposition byproducts may form with exposure to high temperatures.
Haz. decomp. products:	Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

**Acute toxicity:**

Solvent naphtha (petroleum), light arom.

oral, LD50, Rat: > 2000 mg/kg

dermal, LD50, Rat: > 2000 mg/kg

inhalative (vapours), LC50, Rat: > 10 mg/L (4 h)

**Specific target organ toxicity**

Solvent naphtha (petroleum), light arom.

Specific target organ toxicity (single exposure), Irritation:

Specific target organ toxicity (single exposure), drowsiness:

**Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**SECTION 12: ECOLOGICAL INFORMATION**

Overall evaluation:

Classification according to Regulation (EC) No 1272/2008 [CLP]

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

**Toxicity:**

Solvent naphtha (petroleum), light arom.

Algae toxicity, ErC50: 1 - 10 mg/L

**Bioaccumulative potential**

Toxicological data are not available.

**Results of PBT assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal operations: Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

EWC Waste code: 080117 – waste paint and varnish containing organic solvents or other dangerous substances.

Disposal of packaging: Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: TRANSPORT INFORMATION**

UN Number: UN1993  
 UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light, aromatic)

Transport hazard class: 3  
 Packing group: III  
 Tunnel category: D/E  
 EmS-No: Not applicable

**SECTION 15: REGULATORY INFORMATION**

**EU legislation:**  
 Directive 2010/75/EU on industrial emissions  
 VOC-value (in g/L): 0,000

**National regulations:**  
 Restrictions of occupation:  
 Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
 Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

**SECTION 16: OTHER INFORMATION**

Hazard phrases used  
 in s.2 and s.3: H226: Flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.  
 H411: Toxic to aquatic life with long lasting effects.

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components. This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request. The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

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