

SAFETY DATA SHEET
Armourcoat Colourant Blend
1 IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name: Armourcoat Colourant Blend
Use / description: Colourants for tinting paints and plasters.
Company name: Armourcoat Surface Finishes
 Morewood Close, London Road
 Sevenoaks, Kent TN13 2HU
 United Kingdom
Email address: technical@armourcoat.co.uk
Contact details: Tel: +44 (0)1732 460668
 Fax: +44 (0)1732 450930

2. HAZARDS IDENTIFICATION

Main Hazards: X_i, Irritant
 R36: Irritating to eyes.

 N, Dangerous for the environment
 R52/53: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Armourcoat Colorant Blend is a bespoke blend of ingredients and could be composed of any of the substances listed below.

Substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned Workplace Exposure Limits.

Name	Concentration range (%)	Classification	EC No.	CAS No.
Diphenylpolyglycoetherderivative	0-10.00%	R52/53		
Nonylphenol, branched, ethoxylated	0-5.00%	X _n , N – R22, R41, R51/53		68412-54-4
2-Methylpentane-2,4-diol	0-7.00%	X _i – R36/38	203-489-0	107-41-5
Dodecylphenol, ethoxylated	0-7.00%	X _i , N – R36/38, R51/53		9014-92-0
Phosphoric acid ester, neutralized	0-3.00%	X _n , N – R38, R41, R51/53		68954-84-7
3-Iodo-2-propynyl butylcarbamate	0-0.25%	X _n , N – R20/22, R41, R50	259-627-5	55406-53-6
Fatty acids, C6-19-branched,zinc salts	0-0.25%	X _i , N – R38, R51/53		68551-44-0
Nonylphenol, branched, ethoxylated, phosphate	0-3.00%	X _i , N – R38, R41, R51/53		68412-53-3
Ethoxylated oleylamine	0-3.00%	X _n , N – R22, R38, R41, R50/53		58253-49-9
Isooctyl Alcohol phosphate, K salt	0-3.00%	X _i – R36/38, R52/53		68647-19-8
Styrylphenol, ethoxylated Technical	0-10.00%	R52/53		

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Benzenesulfonic acid, alkyl derivs., compds	0-3.00%	X _n – R22, R38, R41	271-531-5	68584-24-7
Nonyl phenol ethoxylates 10 mol EO	0-3.00%	X _n , N – R38, R41, R51/53		37205-87-1
Poly(oxy-1,2-ethanediyl)-alpha-nonylphenyl	0-0.5%	X _i , N – R36/38, R51/53		68412-54-4
Phosphated, ethoxylated oleyl alcohol, compd. With ethoxylated coco alkyl amine	0-5.00%	X _i – R36/38		120968-16-3

4. FIRST AID MEASURES

- General:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
- Eye contact:** Remove contact lenses. Irrigate copiously with clean, fresh water, holding the eyelids apart, and seek medical advice.
- Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do **NOT** use solvents or thinners.
- Ingestion:** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Recommended: alcohol resistant foam, CO₂, powder, water spray/mist.
 Not to be used: water jet
- Recommendations:** Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with noncombustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses.
- Environmental precautions:** If the product enters drains or sewers, immediately contact the local water company; in the case of contamination of streams, rivers or lakes, the relevant environment agency.
- Clean-up procedures:** Clean preferably with a detergent; avoid the use of solvents.

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7. HANDLING AND STORAGE

Handling requirements: Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid inhalation of vapour.

Smoking, eating and drinking should be prohibited in storage and use areas.

For Occupational Exposure Controls, see Section 8.

Never use pressure to empty: the container is not a pressure vessel. Always keep in containers made of the same material as the supply container.

The Manual Handling Operations Regulations may apply to the handling of containers of this product.

Refer to the guide weight indicated on the container when carrying out assessments.

Storage conditions: Observe the label precautions. Store between [5] °C and [25] °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

No smoking.

Prevent unauthorised access.

Containers which are opened should be properly resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of solvent vapours and/or particulates below the relevant occupational Exposure Limit Values, suitable respiratory protective equipment should be worn (see 'Occupational Exposure Controls' below).

Substance	TWA ⁽¹⁾		STEL ⁽²⁾		Notations ⁽³⁾
	ppm ⁽⁴⁾	mg.m ⁻³⁽⁴⁾	ppm ⁽⁴⁾	mg.m ⁻³⁽⁴⁾	
2-Methylpentane-2,4-diol CAS:107-41-5	25	123	25	123	R36/38
Propane-1,2-diol CAS: 57-55-6	-	10	-	-	

Notes:

(1) Long Term Exposure Limit – 8 hour Time Weighted Average

(2) Short Term Exposure Limit – 15 minute reference period

(3) 'SK' indicates a risk of absorption through the skin. 'Sen' indicates a respiratory sensitiser. 'CHAN' indicates an interim limit, which should be treated as if it were an WEL. 'Carc' indicates a risk of cancer and/or heritable genetic damage.

(4) 'WEL' indicates a Workplace Exposure Limit".

Respiratory protection: If exposure to hazardous substances identified above cannot be controlled by the provision of local exhaust ventilation and good general extraction, suitable respiratory protective equipment should be worn. [Air-fed respiratory protection should be used when painting in confined or poorly ventilated spaces].

Hand protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product.

Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection: Eye protection designed to protect against liquid splashes should be worn.

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Skin protection: Cotton or cotton/synthetic overalls or coveralls are normally suitable.
Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Viscous Liquid
Colour: Various
Odour: Almost Odourless
Solubility in water: Partially miscible
pH: 7-11
Boiling point: >100°C
Flash point: >105°C
Flammability: Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under the recommended storage and handling conditions (see Section 7).
Conditions to avoid: In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.
Keep away from oxidizing agents, strongly alkaline and strongly acidic materials and amines to prevent the possibility of exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)
Behaviour in environmental compartments
Ecotoxicity effects
Further information on ecology
Further information: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

14. TRANSPORT INFORMATION

The product is not classified as dangerous for carriage.

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15. REGULATORY INFORMATION

The product is classified and labeled for supply in accordance with the CHIP Regulations as follows:

Symbol(s)		X _i Irritant
R-phrases(s)	R36 R52/53	Irritating to eyes Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	S26 S29/56	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 OTHER INFORMATION

R-phrases

- R20/22 Harmful by inhalation and if swallowed
- R22 Harmful if swallowed
- R36/38 Irritating to eyes and skin
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- R50 Very toxic to aquatic organisms
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.