



SAFETY DATA SHEET

5090 Anti-Condensation Coating White

1. Identification of the preparation and of the company

Product name and/or code : 5090 Anti-Condensation Coating White
Product use : Andrews Coatings Ltd. Carver Building, Littles Lane
Manufacturer : Wolverhampton, West Midlands, WV1 1JY
Emergency phone: Telephone Number: 01902 429190, Fax Number: 01902 426574
 Email: sales@andrewscoatings.co.uk

2. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS no.	%	EC nr.	Classification
United Kingdom (UK)				
Naphtha (petroleum), hydrotreated heavy	64742-48-9	2.5 - 5	265-150-3	R10 Xn; R65 R66
Sodium dodecyl sulphate	151-21-3	1 - 2.5	205-788-1	Xi; R41, R38
2,2,4-Trimethyl-1,3-pentanediol-di-isobutyrate	6846-50-0	0 - 1	229-934-9	N; R51/53
Isothiazolinone derivatives.		0 - 1		T; R23/24/25 C; R34 R43 N; R50/53
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification : R43
Human health hazards : May cause sensitization by skin contact.

4. First aid measures

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 person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
Eye contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders, water spray.
 Not to be used : water jet.
Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.
Hazardous combustion products : Decomposition products may include the following materials:
 carbon oxides
 sulfur oxides
 metal oxide/oxides

6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Put on appropriate personal protective equipment (see section 8).
- Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Do not store below the following temperature: 0°C (32°F). Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
- Keep away from: oxidizing agents, strong alkalis, strong acids.
No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not empty into drains.

8. Exposure controls/personal protection

- Engineering measures** : 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 particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
United Kingdom (UK)	
Naphtha (petroleum), hydrotreated heavy	EH40-WEL (United Kingdom (UK), 6/2005). Notes: as Turpentine STEL: 850 mg/m ³ 15 minute(s). STEL: 150 ppm 15 minute(s).
	EH40-WEL (United Kingdom (UK), 6/2005). Notes: as Turpentine TWA: 566 mg/m ³ 8 hour(s). TWA: 100 ppm 8 hour(s).

Exposure controls

- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Recommended: When spraying wear suitable respiratory equipment :
-disposable particulate mask (EN 141) .
- Hand protection** : >8 hours (breakthrough time): For prolonged or repeated handling, use gloves: disposable vinyl (EN 374-1) .
- Eye protection** : Recommended: safety glasses with side-shields (EN 166) .
- Skin protection** : Recommended: disposable overall .

8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. Physical and chemical properties

Physical state : Liquid. [Emulsion.]
Odor : Bland. [Slight]
Color : White.
Boiling point : >100°C (>212°F)
Vapor density : >1 (Air = 1)
Evaporation rate (butyl acetate = 1) : <1 (Butyl acetate. = 1)
Volatility % : 73.3% (v/v), 48.6% (w/w)
VOC content w/w : 57 (g/l).
Solubility : Soluble in the following materials: cold water and hot water.
 Partially soluble in the following materials: acetone.
 Very slightly soluble in the following materials: methanol.
Relative density : 1.2
Viscosity : Dynamic: >5000 mPa·s (>5000 cP)
pH : 8 to 9

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

Contains mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Naphtha (petroleum), hydrotreated heavy	LD50 Dermal	Rabbit	>3000 mg/kg	-
	LD50 Oral	Rat	>15000 mg/kg	-
	LC50 Inhalation Vapor	Rat	>5.5 mg/L	4 hours
Sodium dodecyl sulphate	LD50 Intraperitoneal	Rat	210 mg/kg	-
	LD50 Intravenous	Rat	118 mg/kg	-
	LD50 Oral	Rat	1288 mg/kg	-
	LDLo Dermal	Rabbit	10 g/kg	-
2,2,4-Trimethyl-1,3-pentanediol-di-isobutyrate	LD50 Dermal	Guinea pig	>18900 mg/kg	-
	LD50 Oral	Mouse	>6400 mg/kg	-
	LD50 Oral	Rat	>3200 mg/kg	-
	LC50 Inhalation Vapor	Rat	>5.3 mg/L	6 hours
Isothiazolinone derivatives.	LD50 Oral	Rat	53 mg/kg	-

12. Ecological information

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Naphtha (petroleum), hydrotreated heavy	-	Acute EC50 >1000 mg/L	Daphnia	4 hours
	-	Acute IC50 >1000 mg/L	Algae	4 hours
	-	Acute LC50 >1000 mg/L	Fish	4 hours
Sodium dodecyl sulphate	Physiology	Acute EC50 104,8 mg/L	Algae - Selenastrum capricornutum	48 hours
	Intoxication	Acute EC50 31 mg/L	Daphnia	48 hours
	Physiology	Acute EC50 6 mg/L	Daphnia	48 hours
	Mortality	Acute LC50 4,62 mg/L	Fish - Rainbow trout (oncorhynchus mykiss)	96 hours
	Mortality	Acute LC50 4,5 mg/L	Fish - Bluegill sunfish (lepomis macrochirus)	96 hours
2,2,4-Trimethyl-1,3-pentanediol-di-isobutyrate	Mortality	Acute LC50 1,31 mg/L	Fish - Cyprinus carpio	96 hours
	NOEC	Acute EC50 >1,55 mg/L	Daphnia	48 hours
	NOEC	Acute LC50 >1,55 mg/L	Fish	96 hours

Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Naphtha (petroleum), hydrotreated heavy	< 28 day(s)	-	Readily
2,2,4-Trimethyl-1,3-pentanediol-di-isobutyrate	178 day(s); pH: 9; 20°C	90 day(s).	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Naphtha (petroleum), hydrotreated heavy	4.9 to 6.5	-	high
Sodium dodecyl sulphate	1.69	-	low
2,2,4-Trimethyl-1,3-pentanediol-di-isobutyrate	4.1	-	high
Isothiazolinone derivatives.	-0.83	-	low

AOX : The product contains organically bound halogens and can contribute to the AOX value in waste water.

13. Disposal considerations

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.

European waste catalogue (EWC) : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 01 15* aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Hazardous waste : Yes.

14. Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.


International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	--	-	-	-		Remarks Not controlled under ADR (Europe).
IMDG Class	--	-	-	-		Remarks Not controlled under IMDG.
IATA Class	--	-	-	-		Remarks Not controlled under IATA.

PG*: Packing group

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15. Regulatory information

EU regulations	: The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:
Hazard symbol(s)	:  Irritant
Risk phrases	: R43- May cause sensitization by skin contact.
Safety phrases	: S23- Do not breathe vapor or spray. S35- This material and its container must be disposed of in a safe way. S36/37- Wear suitable protective clothing and gloves. S51- Use only in well-ventilated areas.
Contains	: Isothiazolinone derivatives.
Europe inventory	: Europe inventory: Not determined.
Other EU regulations	
CN code	: 3209 10 00
National regulations	
Industrial use	: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.


16. Other information

CEPE Classification	: 2
Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)	: R10- Flammable. R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R65- Harmful: may cause lung damage if swallowed. R34- Causes burns. R41- Risk of serious damage to eyes. R38- Irritating to skin. R43- May cause sensitization by skin contact. R66- Repeated exposure may cause skin dryness or cracking. 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.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

[Notice to reader](#)

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties. ©Copyright by Rust-Oleum Netherlands B.V. / Martin Mathys B.V.

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