



MATERIAL SAFETY DATA SHEET

Section 1. Identification

1.1 Product Identifier

Product Name : **Fire Retardant Paint WB**
Product Description : Waterborne paint.
Product Type : Liquid
Other means of Identification : Not Available

1.2 Relevant identified uses of the substance or mixture and uses advised against identified uses.

- Use in coatings - Consumer use: Apply this product only as specified on the label.

1.3 Supplier's details : Premier Paints Company Ltd

Licensee of Sherwin Williams Company – USA
Jeddah
Saudi Arabia

1.4 Emergency telephone number / Product Information

- Product Information : www.sherwin-ksa.com
- Tel : 00966 12 66 83 555

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Not classified.

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

- See Section 16 for the full text of the R phrases or H statements declared above.
- See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :
Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Keep out of reach of children.
Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : Contains 1,2-benzisothiazol-3(2H)-one (BIT), 5-chloro-2-methyl- 4-isothiazolin-3-one/

2-methyl-4-isothiazol (CIT/MIT) and 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May Produce an allergic reaction.

2.3 Other hazards
Other hazards which do not result in classification

: None known.

Section 3. Composition/information on ingredients

INGREDIENT	CAS NUMBER	%BY WEIGHT
Styrene Acrylic	25085-34-1	14 - 16%
Functional Filters	1332-58-7	40 - 44%
Titanium Dioxide	13463-67-7	10 - 12%
Additives	126-86-3	4 - 6%
Water	7732-18-5	25 - 30%

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

4.1 Description of first aid measures

Section 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. If unconscious, place in recovery position and seek medical advice.
- 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.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

➤ **Potential acute health effects**

- **Eye contact** : No known significant effects or critical hazards.
- **Inhalation** : No known significant effects or critical hazards.
- **Skin contact** : No known significant effects or critical hazards.
- **Ingestion** : No known significant effects or critical hazards.

➤ **Over-exposure signs/symptoms**

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Recommended: alcohol-resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

- carbon dioxide
- carbon monoxide
- metal oxide/oxides

Advice for firefighters special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective Equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency Personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

Section 7. Handling and Storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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7.1 Precautions for safe handling

- Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Put on appropriate personal protective equipment (see Section 8).
- Never use pressure to empty. Container is not a pressure vessel.
- Always keep in containers made from the same material as the original one.
- Comply with the health and safety at work laws.
- Do not allow to enter drains or watercourses.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

➤ **Notes on joint storage**

Keep away from: oxidising agents, strong alkalis, strong acids.

➤ **Additional information on storage conditions**

- Store in a dry, cool and well-ventilated area. Keep container tightly closed.
- No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s) Recommendations : Not available.
Industrial sector specific Solutions : Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters Occupational exposure limits

No exposure limit value known.

Recommended monitoring Procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived no effect levels

No DNELs available.

Predicted no effect concentrations

No PNECs available.

8.2 Exposure controls
Appropriate engineering Controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

Eye/face protection

: 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.

Skin protection

Hand protection

: There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred. Wear suitable gloves tested to EN374. May be used, gloves(breakthrough time) 4 - 8 hours: 4H, nitrile rubber, neoprene, polyvinyl alcohol (PVA)

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: If workers are exposed to concentrations above the exposure limit, they must use a respirator according to EN 140. By spraying : particulate filter (FFP2 / N95). In confined spaces, use compressed-air or fresh-air respiratory equipment.

Environmental exposure Control

: 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.

Section 9. Physical and chemical properties

9.1 information on basic physical and chemical properties

Appearance

Physical state	: liquid.
Colour	: Various
Odour	: Characteristic.
Odour threshold	: Not available.
pH	: Not available.
Melting point/freezing point	: 0
Initial boiling point and boiling range	: Lowest known value: 100°C (212°F) (water). Weighted average: 111.42°C (232.6°F)
Flash point	: Not available.
Evaporation rate acetate	: Highest known value: 0.36 (water) Weighted average: 0.34 compared with butyl acetate
Flammability (solid, gas)	: Not applicable.
Burning time	: Not applicable.
Burning rate	: Not applicable.
Upper/lower flammability or explosive limits	: 0.6 – 12.6%
Vapour pressure	: Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 2.89 kPa (21.68 mm Hg) (at 20°C)
Vapour density	: Highest known value: 7.5 (Air = 1) (propanoic acid, 2-methyl-, monoester with 2, 2,4-trimethyl-1,3-pentanediol). Weighted average: 4.79 (Air = 1)
Relative density	: 1.143 to 1.26 g/cm ³
Solubility(ies)	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not applicable.
Viscosity	: Kinematic (40°C): >0.205 cm ² /s (>20.5 mm ² /s)
Explosive properties	: Not available.
Oxidizing properties	: Not available.

9.2 Other information : No additional information.

Section 10. Stability and reactivity

- 10.1 **Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 **Chemical stability** : The product is stable.
- 10.3 **Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 **Conditions to avoid** : No specific data.
- 10.5 **Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6 **Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects.

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol, 1,2-benzisothiazol-3(2H)-one (BIT), 5-chloro-2-methyl-4-isothiazolin-3-one/ 2-methyl-4-isothiazol (CIT/MIT). May produce an allergic reaction.

Acute toxicity estimates

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Section 12. Ecological information

12.1 Toxicity

Conclusion/Summary	No known significant effects or critical hazards
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12.2 Persistence and degradability

Conclusion/Summary	Not available.
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12.3 Bio accumulative potential : Not available

12.4 Mobility in soil

Soil/water partition coefficient (K _{oc})	Not available.
Mobility	Not available.

12.5 Results of PBT and vPvB assessment

PBT	Not applicable.
vPvB	Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

13.2 European waste catalogue (EWC)

08 01 12 waste paint and varnish other than those mentioned in 08 01 11. 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.

Section 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.
- This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

14.1 Special precaution for user

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.

14.2 Additional information :

ADR/ RID

:

14.3 Transport in bulk according to Annex II of Marpol and the IBC Code :

Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixture and articles : Not Applicable

Other EU regulations

Europe inventory	Not determined.
Black List Chemicals	Not listed
Industrial emissions (integrated pollution prevention and control) -Air	Not listed
Industrial emissions (integrated pollution prevention and control) -Water	Not listed
Chemical Weapons Convention List Schedule I Chemicals	Not listed
Chemical Weapons Convention List Schedule II Chemicals	Not listed
Chemical Weapons Convention List Schedule III Chemicals	Not listed

15.2 Chemical safety assessment : Not Applicable.

Section 16. Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate.
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008].
- DNEL = Derived No Effect Level.
- EUH statement = CLP-specific Hazard statement.
- PNEC = Predicted No Effect Concentration.
- RRN = REACH Registration Number.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not Classified	

Full text of abbreviated H statement	Not Applicable
Full text of classifications [CLP/GHS]	Not Applicable
Full text of abbreviated R phrases	Not Applicable
Full text of classifications [DSP/DPD]	Not Applicable
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Notice to reader

- **The information in this document is given to the best of Sherwin Williams knowledge, based on laboratory testing and practical experience. Sherwin Williams Paint products are considered as semi-finished goods and as such, products are often used under conditions beyond Sherwin Williams control. Sherwin Williams cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Sherwin Williams Paints reserves the right to change the given data without further notice.**
- **Users should always consult Sherwin Williams for specific guidance on the general suitability of this product for their needs and specific application practices.**