



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **944 Spray on - Wipe Off Cleaner**
 Product Code: 944
 Recommended Use: Cleaning Agent.
 Supplier: Topline Paint Pty Ltd t/as Shipway Spescoat
 ABN: 65 007 626 191
 Street Address: 33 Aldershot Road
 Lonsdale SA 5160
 Australia
 Telephone Number: +61 8 8384 1188
 Facsimile: +61 8 8326 1824
 Email: info@toplinepaint.com.au

MONOPACK

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases: R10 Flammable. R38 Irritating to skin. R43 May cause sensitization by skin contact. R50 Very toxic to aquatic organisms. R53 May cause long term adverse effects in the aquatic environment.

Safety Phrases: S2 Keep out of reach of children. S24 Avoid contact with skin. S37 Wear suitable gloves. S60 This material and its container must be disposed of as hazardous waste. S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Poisons Schedule: Non allocated.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
D-limonene	598-27-8	95.01% - 100%	
impurities	N / A	To 100%	-

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre 131 126 or a doctor.

Inhalation: Remove from exposure. Keep warm and at rest until full recovered. If there is respiratory distress or aspiration has occurred, seek medical treatment.

Skin Contact: Remove contaminated clothing. Wash affected areas with copious amounts of soap and water. If irritation persists, seek medical attention.

Eye Contact: Rinse immediately with plenty of water for several minutes. Seek medical treatment if symptoms occur.

Ingestion: DO NOT induce vomiting, as aspiration may occur and cause lung damage. Give a glass of water.

Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Classed as flammable. If involved in a fire, it may emit noxious and toxic fumes.

Extinguishing media: Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers. Water may be ineffective on fire. However water spray may be used to extinguish fires, because limonene can be cooled below its flash point. Water spray can be used to absorb heat, keep containers cool and protect exposed material. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop a leak. Water spray may be used to flush spills away from exposures.

Fire/Explosion Hazard: Limonene is a flammable liquid. Vapour may form explosive mixtures at or above 48 deg C. Liquid can float on water and may possibly travel to distant locations and/or spread fire. Vapour is heavier than air and may spread along ground and collect in low areas. Avoid contact with incompatibles such as strong oxidising agents and acidic agents, including acidic clays, peroxides, halogens, vinyl chloride and iodine pent fluoride. Carbon monoxide and carbon dioxide may be released in a fire involving limonene. Hazardous polymerization has not been reported. Conditions to avoid for polymerization are polymerization catalyst such as aluminium chloride and acidic clays. Fire fighters should wear self contained breathing apparatus (SCBA) and complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Eliminate all ignition sources and do not smoke. Wear protective gear such as protective gloves to avoid skin contact. Ventilate area thoroughly and wear a respirator if necessary to minimize inhalation. Small spills can be wiped up. Rags or other combustible material wet or soaked in limonene may autoxidise, generating heat and igniting spontaneously. Used oily rags should be collected regularly and either soaked in water or stored in closed metal containers.

Methods and materials for containment and clean up: Large spills should be absorbed by dirt, sand or other suitable absorbents for disposal.

7. HANDLING AND STORAGE

Conditions for safe storage: Keep tightly closed in a dry, cool, well-ventilated area, out of direct sunlight. Store away from incompatible materials. DO NOT pressurize, cut, heat or weld containers as they may contain hazardous residues.

Precautions for safe handling: Repeated or prolonged exposure to this material should be avoided in order to lessen the possibility of disorders. Use in a well ventilated area. Wear appropriate protective equipment. It is essential that all who come in contact with this material, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet. Ensure ventilation is adequate. DO NOT enter confined spaces where vapour or mist may have collected. Keep containers closed when not in use.

Corrosiveness: Not corrosive to metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Engineering controls: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is recommended.

Personal Protective Equipment:

Respiratory Protection: Avoid breathing of vapours/mists. Where ventilation is inadequate and vapours/mists are generated, the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.

Eye Protection: Chemical safety glasses or face shield recommended as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection: Impervious gloves recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Other Information: No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, all exposure should be kept to the least possible levels as over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear water-white to slight yellow liquid with a mild to strong citrus aroma.
Melting Point	-75°C
Boiling Point	175.5°C
Solubility in Water	Insoluble
Specific Gravity	0.844
pH Value	Not applicable
Vapour Pressure	0.4 mm Hg
Evaporation Rate	5.8
Volatile Component	100% w/w
Flash Point	48°C
Flammability	Flammable liquid. Vapour may form explosive mixtures with air above the flash point of 48 deg C. Avoid exposure to sources of ignition or open flame. Avoid using in a confined space or generating mists or vapours. May accumulate static charge by flow or agitation. Vapour is heavier than air and may collect in drains or other low areas. Electrically ground all drums, transfer vessels, hoses and piping. Rags or other combustible material wet or soaked in limonene may autoxidise, generating heat and igniting spontaneously. Used oily rags should be collected regularly and either soaked in water or stored in closed metal containers. If limonene containing oxidation product is concentrated eg. by distillation, explosive levels of peroxides may be formed. Do not distil limonene that may contain peroxides.
Ignition Temperature	237°C

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of storage and handling.
Incompatible materials: Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Low acute toxicity in animal studies. Ingestion of 20g caused diarrhea, painful constrictions and proteinuria in volunteers. Aspiration of limonene may cause lung damage.

Eye contact: Liquid and vapour may cause eye irritation.

Skin contact: Skin Irritant. Can be absorbed through skin.

Inhalation: Vapour or mists may be irritating to respiratory system. Readily absorbed through inhalation. Strong odour causes discomfort to some people.

Long Term Effects:

Skin: There is animal and human evidence of sensitization by skin contact with oxidized limonene.

Inhalation: There is limited data on the potential for respiratory irritation or sensitization.

Swallowed: Kidney tumors are induced by limonene in male rats, but are not considered relevant to humans. Liver effects are found in animal studies.

Toxicological Data: No toxicology data is available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.

Persistence degradability and mobility: No data is available for this material.

Aquatic toxicity: No data is available for this material.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to State Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Do not hose spills down drains, sewers or waterways, d-Limonene may be toxic to aquatic organisms. Move leaking containers to well ventilated area.

14. TRANSPORT INFORMATION

Road and Rail Transport Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

UN No: 2319

Class-primary: 3

Packing Group: III

Proper Shipping Name: PAINT

Hazchem Code: 3Y

ADG Packaging Method: 5.9.3RT1

ADG EPG Number: 3A1

ADG IERG Number: 15

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Risk Phrase(s): R10 Flammable. R38 Irritating to skin. R43 May cause sensitization by skin contact. R50 Very toxic to aquatic organisms. R53 May cause long term adverse effects in the aquatic environment.

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All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This MSDS summarizes to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Topline Paint Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. Persons dealing with the products to which this information refers do so entirely at their own risk. Topline Paint Pty. Ltd. will accept no responsibility what so ever for the consequences of the use or misuse of this product.