



"RESPONSIVE,
INNOVATIVE,
SOLUTION FINDERS"



FIVE STAR PRODUCTS LTD
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Safety Data Sheet

Artists Distilled Turpentine (Gum Turps)

1. Identification of Material and Supplier

Product Name: Artists Distilled Turpentine
Product Code: DT
Other Names: Turpentine oil
Recommended Use: Refined natural gum turpentine from distillation of pine wood. Used for diluting oil colours, cleaning brushes, lino rollers and blocks which have been used with oil based printing inks.
Company: Five Star Products Ltd
Address: 3 Chinook Place, Hornby, Christchurch 8042
Emergency Telephone: (03) 349 6514 ask for Technical Manager
Telephone/Fax number: Tel: (03) 349 6514 Fax: (03) 349 8732
New Zealand National Poison Centre: 0800 POISON (0800 764 766)

2. Hazards Identification

Hazard Classification: This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020

Signal Word: Warning
Hazard Classification: Flammable Liquids Category 3
Acute oral toxicity Category 4
Eye irritation Category 2
Skin irritation Category 2
Skin sensitisation Category 1
Hazardous to the aquatic environment chronic Category 3

Pictogram



Hazard Statements: Flammable liquid and vapour
Harmful if swallowed
Harmful in contact with skin
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Harmful if inhaled
Harmful to aquatic life with long-lasting effects

Prevention: Keep out of reach of children.
Read label before use.
Keep away from heat, sparks, open flames and hot surfaces. No smoking.
Keep container tightly closed.

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Ground container and receiving equipment.
Use explosion-proof equipment.
Use non-sparking tools
Take precautionary measures against static discharge
Avoid breathing vapours.
Wash hands thoroughly after handling.
Do not eat drink or smoke when using this product.
Use only outdoors or in well-ventilated area
Contaminated work clothing should not be allowed out of the work-place.
Avoid release to the environment.
Wear protective clothing, gloves and eye protection.

Response

If medical advice is needed, have product container or label at hand.
IF SWALLOWED: Call a POISON CENTRE or doctor.
Rinse mouth.
Call a POISON CENTRE or doctor if you feel unwell.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with
If skin irritation or rash occurs: Get medical advice.
Wash contaminated clothing before re-use
Remove to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,
If eye irritation persists: Get medical advice.
In case of fire: use dry chemical or foam extinguishing media.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of waste in accordance with Regional Authority or local council regulations.

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3. Composition/information of Ingredients

Ingredients:

Name	CAS NUMBERS	Weight %
Oil, turpentine	8006-64-2	100%

Allergies:

To the best of our knowledge there has been no intentional addition of dairy, egg, nuts, grains, cereals, soy or gluten products to this product by either Five Star Products Ltd or our raw material suppliers. Five Star Products Ltd does, from time to time carry on site some of the above listed products for use in other products. Whilst none of our raw material suppliers MSDS state that they do contain any of the above products, we are not in a position to 100% guarantee that this product is free of the above mentioned products, due to the limited knowledge of our suppliers processes. Five Star Products Ltd normal practices is not to provide a list of ingredients, due to commercial sensitivity but we welcome direct case by case communication with the end user to assist with this issue on a personal basis.

4. First Aid Measures

Inhalation:	Remove affected person from contaminated area. If difficulty in breathing or irritation occurs, seek medical attention immediately. If not breathing give CPR and call emergency services immediately.
Ingestion:	Do not induce vomiting. Give nothing by mouth and seek medical attention.
Skin:	Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists seek medical attention.
Eye:	Flush eye thoroughly with copious amounts of water for a least 15 minutes. Retract eyelids frequently. Seek medical attention if irritation persists.
Advise to doctor:	Treat symptomatically.

Health Effects

Inhalation:	Vapours can cause eye irritation, headache, dizziness and nausea.
Ingestion:	Acute. Ingestion can cause bladder irritation.
Skin:	Not known. May cause slight irritation.
Eye:	Not known. May irritate the eyes.

5. Fire Fighting Measures

Extinguishing media:	In case of fire, extinguish with dry powder, foam or carbon dioxide. Do not use water. Contaminated fire extinguishing materials and fire residues may contaminate the environment - collect and dispose in accordance with local legislation. Use water spray to cool fire exposed containers
Specific Hazards:	Flammable Liquid.
Special Fire fighting Procedures:	Wear full protective clothing and self contained breathing apparatus. Use equipment/media appropriate to surrounding fire conditions. Avoid watercourse contamination. May cause combustible materials to burn or explode. May burn if heated or ignited. Vapour may form an explosive mixture in air. Envolves irritating and toxic gases on decomposition.
Special protective equipment:	For fires in enclosed spaces, fire fighters must wear self contained breathing apparatus.
Decomposition Products:	Carbon monoxide.
Flammable limits:	In air (%vol) LEL: Not Available UEL: Not Available
Hazchem code:	3Y

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6. Accidental Release Measure

Emergency Procedures: Wear appropriate personal protective equipment and clothing to reduce exposure. Eliminate all sources of ignition and stop leak if safe to do so. Increase ventilation and evacuate all unnecessary personnel from the area. For small spills absorb with earth or sand, shovel up with spark resistant shovel and place in a well labelled sealable container for subsequent disposal in accordance with Local government Regulations. For large spills contain with dyke and transfer to holding tank for later disposal. Avoid watercourse contamination .

7. Handling and Storage

Precautions for safe handling: Avoid contact with eyes. Avoid inhalation of vapors or mists. Wear appropriate personal protection. Ensure an eye bath and emergency shower are readily available. Observe a high level of personal hygiene ie washing hands before eating, drinking, smoking and using the toilet. Open containers cautiously as contents may be under pressure. Use in well ventilated areas. Do not use near welding or other ignition source and avoid sparks and use spark proof tools and equipment.

Conditions for safe storage: Store in a cool dry well ventilated place away from direct sunlight and all sources of ignition. Keep containers tightly closed when not in use. Inspect regularly for deficiencies like damage or leaks. Protect against physical damage. Store away from incombustible materials, oxidising agents, foodstuff and clothing. Store in accordance with regulations relevant to Class 3 substances.

8. Exposure Controls/Personal Protection

National Exposure standards:

Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	Notes
Turpentine			556	100	

Tolerance = 100ppm in air.

Biological Limit Values: No biological limit values available for this product.

Engineering Controls: Ensure ventilation is sufficient to maintain air concentration below exposure limits. If necessary use a flame/explosion proof exhaust ventilation system.

Respiratory Protection: Approved respiratory protective equipment must be worn when vapor or mist concentrations exceed applicable standards. Expert advice should be sought to find the right equipment for your individual circumstances. Reference should be made to AS/NZS 1715 Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 Respiratory Protective Devices.

Eye Protection: Safety glasses with side shields, full face shields or goggles as appropriate. Expert advice should be sought to find the right equipment for your individual circumstances. Eye Protection should conform with AS/NZS 1337 Eye Protectors for Industrial Applications.

Hand Protection: Wear gloves of an impervious nature. Type of glove may vary according to individual circumstances. Reference should be made to AS/NZS 2161.1 Occupational protective gloves, Use and Maintenance.

Body Protection: Wear appropriate protective clothing including covering arms and legs to reduce contact with skin. Remove immediately if they become contaminated.

Other: Do not leave rags or cleaning fabrics "screwed up" (spontaneous combustion may occur). Rinse rags thoroughly in detergent and water mix and hang out to dry to re use.

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9. Physical and Chemical Properties

Appearance:	Clear liquid.
Colour:	Clear liquid.
Odour:	Strong
Melting Point:	NA
Boiling Point:	155-170°C
Solubility in Water (g/l):	Almost insoluble in water
Flash Point:	32-35 °C (closed cup)
Flammability	Product is flammable. Isolate from sources of heat, naked flames, sparks and oxidising materials. Take precautions against discharges of static electricity Earth and bond all process equipment including tanks and drums. Ensure ventilation is adequate to prevent build up of explosive atmosphere. Refer to AS 1940 - Storage and handling of flammable and combustible liquids and AS 2865 - Safe working in a confined space, for more specific information on these subjects.
Auto-Ignition Temperature	Approximately 253 °C
Flammable Limits - Lower	Not Available
Flammable Limits - Upper	Not Available

10. Stability and Reactivity

Chemical Stability:	Stable.
Conditions to Avoid:	Heat (above 30°C), flames, direct sunlight and other ignition sources.
Incompatible Materials:	Incompatible with combustible materials and oxidising agents.
Hazardous Decomposition Products:	When heated the decomposition, the product emits toxic fumes of carbon dioxide, carbon monoxide and other organic compounds
Hazardous Polymerization:	Will not occur

11. Toxicological Data

Acute Toxicology:	
Inhalation -	Harmful if inhaled, vapours can cause eye irritation, headache, dizziness and
Ingestion -	Harmful if swallowed. Ingestion can cause bladder irritation.
Skin -	Harmful in contact with skin. Skin contact can cause inflammation and irritation. May cause an allergic skin reaction
Eye -	Eye contact causes serious irritation. May cause eye damage.
Chronic Effects -	Prolonged contact with the skin can result in episodes of allergic contact
Genetic Toxicology:	NA
Reproductive Toxicology:	NA
Toxicological data:	Not Available

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12. Ecological Information

Ecotoxicity:	Avoid discharge into waterways.
Persistence and degradability:	No information available for this product.
Mobility:	No information available for this product.
Environmental Fate:	Avoid contaminating waterways.
Bioaccumulative Potential:	No information available for this product.

13. Disposal Considerations

Waste Disposal:	Follow Local Government regulations for disposal of the waste. Avoid discharge into stormwater drains, sewers and waterways, contact the Local authorities if this occurs.
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14. Transport Information

Land:	Classified as dangerous goods for transport by land (NZS 5433)
Sea:	Classified as dangerous goods for transport by sea (IMDG Code)
Air:	Classified as dangerous goods for transport by air (ICAO/IATA)
Transport information New	<p>Must not be loaded in the same freight container or on the same vehicle with:</p> <ul style="list-style-type: none">- Class 1, Explosives- Class 2.1, Flammable gases- Class 2.3, Toxic gases- Class 4.2, Spontaneously combustible substances- Class 5.1, Oxidising substances- Class 5.2, Organic peroxides or- Class 7, Radioactive materials unless specifically exempted. <p>Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:</p> <ul style="list-style-type: none">- Class 4.3, Dangerous when wet substances <p>Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:</p> <ul style="list-style-type: none">- Class 4.2, Spontaneously combustible substances- Class 4.3, Dangerous when wet substances- Class 5.1, Oxidising substances

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14. Transport Information Cont...

UN Number:	1299
Proper Shipping Name:	TURPENTINE
DG Class:	3
Hazchem Code:	2Z
Packing Group:	III
Marine Pollutant	Yes

15. Regulatory Information

New Zealand:	Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
HSNO Approval No:	HSR00123

16. Other Information

Revision Date:	SDS Reviewed February 2025
Legend to abbreviations and Acronyms:	NA = Not Applicable
	C = Celcuis
Literature References:	No data available
Sources for Data:	No data available

Disclaimer

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