Safety Data Sheet

AGE-TECH

Section 1. Chemical product and company identifications

Common name: Age-Tech
Product code: 60352
Product description: Alcohol stain fixer for wood
Chemical family: Stain
CAS: Not applicable
Synonyms: Not applicable

Supplier / Manufacturer:

Finitec Hardwood Products Inc.
150, Leon-Vachon
Saint-Lambert-de-Lauzon (Quebec)
Canada G0S 2W0
Phone: (418) 889-9910
Fax: (418) 889-9915

In case of emergency:

CANUTEC: (613) 996-6666

Or contact your local poison control center.

Section 2. Hazards identifications

Physical state: Liquid
Warning: The product can cause moderate eye irritation and mild to moderate skin irritation, especially if sensitivity. The product may be harmful if swallowed.

Routes of entry: Eyes, skin, ingestion.

Potential acute effects

- **Eyes:** The product can cause eye irritation, such as redness, tingling, burning and swelling.
- **Skin:** Toxic if absorbed through skin. May cause skin irritation.
- **Inhalation:** The product can cause irritation to the respiratory tract.
- **Ingestion:** Toxic if swallowed.

Potential chronic effects: *See Toxicological Information (section 11).*

Section 3. Composition and information on ingredients

Name	CAS	Concentration %
Methanol	67-56-1	80 to 90

Section 4. First aid measures

Eye contact: Flush eyes with running water for at least 15 minutes, keeping eyelids open immediately. Take care not to contaminate unaffected areas. Consult a doctor immediately.
Skin contact: Wash the affected area with soap and water and rinse immediately with plenty of running water. Get medical attention.
Inhalation: If symptoms of respiratory irritation arise following inhalation of the product, move the victim to fresh air. If symptoms persist or worsen, contact emergency services immediately.
Ingestion: In cases of ingestion of large amounts of product, DO NOT induce vomiting. Consult a doctor immediately.
Note: For any situation where the victim should consult a doctor or emergency services should go to the scene of incident to an intervention or medical transportation, make sure you give a copy of this SDS with the victim if his health permits, an accompanying person or emergency services so that it is readily available for emergency physicians and / or physicians.

Section 5. Fire fighting measures

Conditions of flammability: Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Flash point: 9.7 °C (49.5 °F) - closed cup (Methanol)
Auto-ignition Temperature: 455.0 °C (851.0 °F) at 1.013 hPa (760 mmHg) (Methanol)
Lower explosion limit: 6 % (V) (Methanol)
Upper explosion limit: 36 % (V) (Methanol)
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous combustion products: Hazardous decomposition products formed under fire conditions. - Carbon oxides
Further information: Use water spray to cool unopened containers.

Section 6. Accidental release measures

Personal precautions: Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions: Prevent the infiltration of a large amount of product into drains, sewers and water courses.
Methods for cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

Section 7. Handling and storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8. Exposure Controls, Personal Protections

Engineering controls: Ensure adequate ventilation and good air output to keep contaminant concentrations below the permissible exposure limits. Use mechanical exhaust or laboratory fumehood to avoid exposure.
Eyes: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Respiratory: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hands: Handle with gloves (butyl-rubber and nitrile rubber gloves). Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Skin/body: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Other: Eyewash and body emergency must be available on site.

Section 9. Physical and chemical properties

Physical status: Liquid
Appearance: Clear amber
Odor: Slight
Threshold odor: No data available
Density at 25°C (g/mL): 0.790 – 0.810
Melting/freezing point: -98 °C (-144 °F) (Methanol)
Boiling point: 64.7 °C (148.5 °F) (Methanol)
Vapor tension: No data available
Vapor pressure: 130.3 hPa (97.7 mmHg) at 20.0 °C (68.0 °F) (Methanol)
546.6 hPa (410.0 mmHg) at 50.0 °C (122.0 °F) (Methanol)
169.27 hPa (126.96 mmHg) at 25.0 °C (77.0 °F) (Methanol)
Relative vapour density: 1.11 (Methanol)
Coefficient of division (water/oil): No data available
Water solubility : Miscible in water
Rate of evaporation: No data available
Volatility: 90 ± 1 % (w/w)
pH: No data available

Section 10. Stability and reactivity

Stability and reactivity: Stable under recommended storage conditions. Vapors may form explosive mixture with air.
Incompatibility: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products: Thermal decomposition products such as carbon dioxide (CO_2), carbon monoxide (CO), and trace of component elements.
Conditions to avoid: Heat, flames and sparks.
Hazardous polymerization: Will not occur

Section 11. Toxicological information

Information on ingredients:

Methanol (CAS : 67-56-1)

OSHA: TWA, 200 ppm (262 mg/m^3)
STEL, 250 ppm (328 mg/m^3)

Name	CAS	LD_{50}	LC_{50}
Methanol	67-56-1	Rat (oral): 1,187-2,769 mg/kg Rabbit (skin): 15 800 mg/kg	Rat (inhalation):128.2 mg/m^3 (4 h)

Routes of entry: Eyes, skin, ingestion.

Potential acute effects

- **Eyes:** The product can cause eye irritation, such as redness, tingling, burning and swelling.
- **Skin:** Toxic if absorbed through skin. May cause skin irritation.
- **Inhalation:** The product can cause irritation to the respiratory tract.
- **Ingestion:** Toxic if swallowed.

Potential chronic effects: No data available

Section 12. Ecological information

Ecological data:

Name	Results	Species	Period
Methanol (67-56-1)	EC_{50}: > 10,000 mg/L EC_{50}: 22,000 mg/L	Daphnia magna Scenedesmus capricornutum	48 h 96 h

Persistence and degradability: Biodegradability (Methanol) aerobic
Result: 72 % - rapidly biodegradable
Bioaccumulative potential: Bioaccumulation (Methanol) Cyprinus carpio (Carp) - 72 d at 20 °C
Bioconcentration factor (BCF): 1.0
Mobility in soil: Will not adsorb on soil.
PBT and vPvB assessment: No data available
Other adverse effects: Biochemical Oxygen Demand (BOD): 600 – 1.120 mg/g (Methanol)
Chemical Oxygen Demand (COD): 1.420 mg/g (Methanol)

Additional ecological information: Avoid release to the environment

Section 13. Disposal considerations

Waste disposal: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Section 14. Transportation information

Classification DOT/ IMDG/ IATA label:

DOT (US)

UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol
Reportable Quantity (RQ): 5000 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 1230 Class: 3 (6.1) Packing group: II EMS-No: F-E, S-D
Proper shipping name: Methanol
Marine pollutant: No

IATA

UN number: 1230 Class: 3 (6.1) Packing group: II
Proper shipping name: Methanol

Section 15. Regulatory information

GHS (Globally Harmonized System of Classification and Labelling of Chemicals):

Danger - Flammable liquids (Category 2)
Acute toxicity, Oral (Category 3)
Acute toxicity, Inhalation (Category 3)
Acute toxicity, Dermal (Category 3)
Specific target organ toxicity - single exposure (Category 1)

Hazard statements:

H225	Highly flammable liquid and vapour.
H301/H311/H331	Toxic if swallowed, in contact with skin or if inhaled
H370	Causes damage to organs.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P280	Wear protective gloves/ protective clothing.
P301/P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P302/P352/P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER or doctor/ physician if you feel unwell.
P304 /P340/P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.
P308/P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.

CANADA:

WHMIS (Canada):

B2 D1B, D2A, D2B

B2 Flammable liquid
D1B Toxic Material Causing Immediate and Serious Toxic Effects
D2A Very Toxic Material Causing Other Toxic Effects
D2B Toxic Material Causing Other Toxic Effects

UNITED STATES:

NFPA rating

Health: 2
Flammable: 3
Reactivity: 0
Special conditions: 0

Legend: 4: Severe, 3: High, 2: Moderate, 1: Slightly, 0: Not hazardous

REACH (EU):

ESIS - European chemical Substances Information System: Composite
REACH - Registration, Evaluation, Authorisation and Restriction of Chemical substances: Composite

List of Registered Substances Phase-in:			**Registred like:**		
EC No.	**CAS RN**	**Substance name**	**Full**	**OSII**	**TII**
200-659-6	67-56-1	Methanol			

Full	Indicates registration under REACH Article 10 as a full folder.
OSII	Indicates registration under REACH Article 17 as an isolated intermediate on site (OSII).
TII	Indicates registration under REACH Article 18 as a transported isolated intermediate (TII).
'Yes'	Indicates the registration of the substance with REACH is complete.
'In Process'	Indicates that a file on the substance has been successfully submitted to ECHA and gets treated, NB Compliance monitoring is ongoing (and could be unsuccessful).

Section 16. Additional information

Date of issue: May 18th, 2016
Version: 2
Elaborated by: Finitec Canada

References:

- ANSI Z400.1, MSDS Standard, 2001.
- Manufacturer's Material Safety Data Sheet.
- 29CFR Part1910.1200 OSHA MSDS Requirements.
- 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. -Canada
- Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List".
- Federal act on the controlled products
- Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2002.
- Toxicological repertory, HSC.
- Material safety data sheet from the components.