

Saman water-based wood stains

TEW-XXX



SAMAN
1235, rue de l'Acadie
Victoriaville, Québec
Canada G6T 1W4
819-751-2350

Section 01 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER.... SAMAN
1235, rue de l'Acadie
Victoriaville, Québec
Canada G6T 1W4
819-751-2350

PREPARATION DATE..... August 2017

PRODUCT NAME..... Saman water-based wood stains

PRODUCT CODES..... TEW-XXX

MATERIAL USE..... Coating

EMERGENCY PHONE NO..... 819-751-2350

Section 02 : HAZARDS IDENTIFICATION

ROUTE OF ENTRY :

SKIN CONTACT..... May cause slight skin irritation.

EYE CONTACT..... May cause slight irritation.

INHALATION..... May cause irritation of respiratory tract.

INGESTION..... May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

CHRONIC EFFECTS..... Slightly hazardous in case of skin contact. The substance may be toxic to central nervous system. Repeated or prolonged exposure to the substance can produce target organs damage.

MEDICAL CONDITIONS AGGRAVATED Not known.
BY OVEREXPOSURE

Section 03 : COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% w/w
1,2-propanediol	57-55-6	15-40
titanium dioxide	13463-67-7	0-15
red iron oxide	1309-37-1	0-10
carbon black	1333-86-4	0-5
manganese dioxide	1313-13-9	0-2
silica, crystalline (quartz)	14808-60-7	0-1

Section 04 : FIRST AID MEASURES

EYE CONTACT..... In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

SKIN CONTACT In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

INHALATION If inhaled, remove to fresh air. If not breathing, give an artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

INGESTION If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

NOTES TO PHYSICIAN..... Treat symptomatically and supportively.

Section 05 : FIRE FIGHTING MEASURES

FLAMMABILITY..... Non-flammable

EXTINGUISHING MEDIA..... Water spray, dry powder, foam

PROTECTIVE EQUIPMENT..... Wear a self-contained breathing apparatus in confined areas or when exposed to combustion products.

FLASH POINT, METHOD..... Not applicable

AUTO IGNITION TEMPERATURE..... Not applicable

UPPER FLAMMABLE LIMIT..... Not applicable

LOWER FLAMMABLE LIMIT..... Not applicable

EXPLOSION DATA..... Not applicable

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EXPLOSIVE POWER.....	Not applicable
RATE OF BURNING.....	Not applicable
SENSITIVITY TO STATIC DISCHARGE.....	No
SENSITIVITY TO IMPACT.....	No
HAZARDOUS COMBUSTION PRODUCTS....	Carbon oxides (CO, CO ₂)

Section 06 : ACCIDENTAL RELEASE MESURES

LEAK/SPILL..... Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Absorb spill with inert material (e.g. vermiculite, sand, earth), then place in suitable container for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Section 07 : HANDLING AND STORAGE

HANDLING..... Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

STORAGE..... Store in a tightly closed container. Store in a cool, dry, well-ventilated area.

Section 08 : EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING MEASURES..... Ensure adequate ventilation, especially in confined areas.

EYE/FACE..... Safety glasses with side-shields.

SKIN..... Protective gloves and impervious clothing.

RESPIRATORY..... In case of insufficient ventilation wear suitable respiratory equipment.

HYGIENE MEASURES..... When using do not eat, drink or smoke. Wash hands, forearms and face thoroughly after handling.

Section 09 : PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... Coloured liquid

ODOUR..... Mild

SPECIFIC GRAVITY (WATER=1)..... 1.0-1.2

VISCOSITY FORD CUP #4 (SECONDS).... n/a

PH..... 8.0-8.5

% VOLATILE PER WEIGHT..... 67-90

BOILING POINT (°C)..... 100

VAPOR PRESSURE (mm Hg)..... 17.54 (water)

VAPOR DENSITY (AIR=1)..... 2.62 (1,2-propanediol)

EVAPORATION RATE..... n/a

VOC (g/)..... 250

SOLUBILITY IN WATER..... miscible

Section 10 : STABILITY AND REACTIVITY

CHEMICAL STABILITY..... Stable under normal temperatures and pressures.

CONDITIONS TO AVOID..... Excess heat

INCOMPATIBLE MATERIALS..... Strong oxidizing agents.

HAZARDOUS PRODUCTS OF DECOMPOSITION..... Carbon monoxide, carbon dioxide, aldehydes

POSSIBILITY OF HAZARDOUS REACTIONS..... Will not occur under normal conditions of storage and use.

Section 11 : TOXICOLOGICAL INFORMATION**1,2-PROPANEDIOL**

LC 50 OF MATERIAL, SPECIES & ROUTE..... n/a

LD 50 OF MATERIAL, SPECIES & ROUTE..... 20300 mg/kg –oral-mouse, 20800 mg/kg-dermal-rabbit

CARCINOGENICITY OF MATERIAL..... Not listed as a carcinogen.

REPRODUCTIVE AND DEVELOPMENT TOXICITY... No known effect in humans.

IRRITANCY OF MATERIAL..... Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.

SENSITIZING CAPABILITY OF MATERIAL..... Not known.

SYNERGISTIC MATERIALS..... Not known.

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TITANIUM DIOXIDE

LC 50 OF MATERIAL, SPECIES & ROUTE.....	>6.82 mg/L-inhalation-rat
LD 50 OF MATERIAL, SPECIES & ROUTE.....	>5000 mg/kg -oral-rat
CARCINOGENICITY OF MATERIAL.....	Not listed as a carcinogen.
REPRODUCTIVE AND DEVELOPMENT TOXICITY...	No known effect in humans.
IRRITANCY OF MATERIAL.....	Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.
SENSITIZING CAPABILITY OF MATERIAL.....	Not sensitizing.
SYNERGISTIC MATERIALS.....	Not known.

RED IRON OXIDE

LC 50 OF MATERIAL, SPECIES & ROUTE.....	n/a
LD 50 OF MATERIAL, SPECIES & ROUTE.....	>5000 mg/kg -oral-rat
CARCINOGENICITY OF MATERIAL.....	Not listed as a carcinogen.
REPRODUCTIVE AND DEVELOPMENT TOXICITY...	No known effect in humans.
IRRITANCY OF MATERIAL.....	Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.
SENSITIZING CAPABILITY OF MATERIAL.....	Not known.
SYNERGISTIC MATERIALS.....	Not known.

CARBON BLACK

LC 50 OF MATERIAL, SPECIES & ROUTE.....	n/a
LD 50 OF MATERIAL, SPECIES & ROUTE.....	>8000 mg/kg -oral-rat
CARCINOGENICITY OF MATERIAL.....	Not listed as a carcinogen.
REPRODUCTIVE AND DEVELOPMENT TOXICITY...	No known effect in humans.
IRRITANCY OF MATERIAL.....	Non-irritative.
SENSITIZING CAPABILITY OF MATERIAL.....	Not known.
SYNERGISTIC MATERIALS.....	Not known.

MANGANESE DIOXIDE

LC 50 OF MATERIAL, SPECIES & ROUTE.....	n/a
LD 50 OF MATERIAL, SPECIES & ROUTE.....	>3478 mg/kg -oral-rat
CARCINOGENICITY OF MATERIAL.....	n/a
REPRODUCTIVE AND DEVELOPMENT TOXICITY...	May cause adverse reproductive affects. Decrease of sperm count in human.
IRRITANCY OF MATERIAL.....	Causes skin irritation. It may irritate the respiratory tract.
SENSITIZING CAPABILITY OF MATERIAL.....	Not known.
SYNERGISTIC MATERIALS.....	Not known.

SILICA, CRYSTALLINE (QUARTZ)

LC 50 OF MATERIAL, SPECIES & ROUTE.....	n/a
LD 50 OF MATERIAL, SPECIES & ROUTE.....	>22500 mg/kg -oral-rat
CARCINOGENICITY OF MATERIAL.....	Known to be a human carcinogen.
REPRODUCTIVE AND DEVELOPMENT TOXICITY...	No known effect in humans.
IRRITANCY OF MATERIAL.....	Eye contact may cause mechanical irritation and possible injury.
SENSITIZING CAPABILITY OF MATERIAL.....	Not known.
SYNERGISTIC MATERIALS.....	Not known.

Section 12 : ECOLOGICAL INFORMATION**1,2-PROPANEDIOL**

BIOACCUMULATION.....	n/a
BIODEGRADATION.....	n/a
ABIOTIC DEGRADATION.....	n/a
MOBILITY IN SOIL, WATER.....	Water soluble; moves readily in soil and water.

AQUATIC TOXICITY

LC50 (Fish, 24hr).....	>5000 mg/litre (Goldfish)
EC50 (Crustacea, 48hr).....	n/a
EC50 (Algae).....	n/a

EC50 (Bacteria).....	n/a
TITANIUM DIOXIDE	
BIOACCUMULATION.....	n/a
BIODEGRADATION.....	n/a
ABIOTIC DEGRADATION.....	n/a
MOBILITY IN SOIL, WATER.....	n/a
AQUATIC TOXICITY	
LC50 (Fish, 96hr).....	n/a
EC50 (Crustacea, 48hr).....	n/a
EC50 (Algae).....	n/a
EC50 (Bacteria).....	n/a
RED IRON OXIDE	
BIOACCUMULATION.....	No
BIODEGRADATION.....	n/a
ABIOTIC DEGRADATION.....	n/a
MOBILITY IN SOIL, WATER.....	Water soluble; moves readily in soil and water.
AQUATIC TOXICITY	
LC50 (Fish, 48hr).....	>1000 mg/litre (Idus Idus dorata)
EC50 (Crustacea, 48hr).....	n/a
EC50 (Algae).....	n/a
EC50 (Bacteria).....	n/a
CARBON BLACK	
BIOACCUMULATION.....	No
BIODEGRADATION.....	n/a
ABIOTIC DEGRADATION.....	n/a
MOBILITY IN SOIL, WATER.....	Not soluble in water. Not expected to migrate.
AQUATIC TOXICITY	
LC50 (Fish, 96hr).....	>1000 mg/litre (Zebra fish)
EC50 (Crustacea, 48hr).....	n/a
EC50 (Algae, 72hr).....	>10000 mg/litre (Scenedesmus subspicatus)
EC50 (Bacteria).....	n/a
MANGANESE DIOXIDE	
BIOACCUMULATION.....	n/a
BIODEGRADATION.....	n/a
ABIOTIC DEGRADATION.....	n/a
MOBILITY IN SOIL, WATER.....	n/a
AQUATIC TOXICITY	
LC50 (Fish, 96hr).....	n/a
EC50 (Crustacea, 48hr).....	n/a
EC50 (Algae).....	n/a
EC50 (Bacteria).....	n/a
SILICA, CRYSTALLINE (QUARTZ)	
BIOACCUMULATION.....	n/a
BIODEGRADATION.....	n/a
ABIOTIC DEGRADATION.....	n/a
MOBILITY IN SOIL, WATER.....	n/a
AQUATIC TOXICITY	
LC50 (Fish, 72hr).....	>10000 mg/litre (Carp)
EC50 (Crustacea, 48hr).....	n/a
EC50 (Algae).....	n/a
EC50 (Bacteria).....	n/a

Section 13 : DISPOSAL CONSIDERATIONS

WASTE DISPOSAL.... Disposal in accordance with applicable regional, national and local laws and regulations.

Section 14 : TRANSPORT INFORMATION**GENERAL INFORMATION**

The product does not constitute a hazardous good.

Section 15 : REGULATORY INFORMATION

HMIS CODES..... Health 1 Flammability 0 Reactivity 0

Section 16 : OTHER INFORMATION**DISCLAIMER**

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