SAFETY DATA SHEET

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: TEW-010, TEW-010, TEW-011, TEW-012, TEW-013, TEW-099, TEW-100, TEW-101, TEW-102, TEW-103, TEW-104, TEW-105, TEW-106, TEW-107, TEW-108, TEW-109, TEW-110, TEW-111, TEW-112, TEW-113, TEW-114, TEW-115, TEW-116, TEW-117, TEW-118, TEW-119, TEW-120, TEW-121, TEW-122, TEW-210, TEW-202, TEW-203, TEW-204, TEW-205, TEW-206, TEW-207, TEW-208, TEW-209, TEW-210, TEW-211, TEW-212

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

Recommended Use(s): Water-based wood stain

Details of the supplier of the safety data sheet

Manufacturer:
Saman
1235 Rue de L'Acadie
Victoriaville Quebec G6T 1W4
Canada

Url: http://www.saman.ca/home

Emergency telephone number

Contact: **General:** 819-751-2350

Section 2. Hazards identification

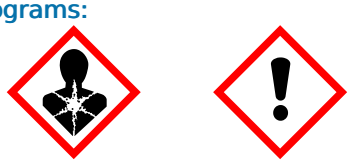
Classification of the substance or mixture

GHS Classification for mixture:

Reproductive toxicity - Category 1B
Skin sensitization - Category 1
Serious eye irritation - Category 2
Skin irritation - Category 2
Acute Toxicity Oral - Category 5

Label elements

Pictograms:



Signal Words:

Danger

Hazard Statements:

May be harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

.

May damage fertility or the unborn child. Route(s) of exposure: Unknown. Specific effect(s): Unknown.

Precautionary Statements:

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing fume, spray, vapors, mist, gas.
Wash exposed area thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, eye protection, protective clothing.

Response

Call a POISON CENTER, doctor if you feel unwell.
If exposed or concerned: Get medical advice.
If skin irritation or rash occurs: Get medical advice.
If eye irritation persists: Get medical advice.
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
IF IN EYES: Rinse cautiously with water for several minutes.
IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing. And wash it before reuse.

Storage

Store locked up.

Disposal

Dispose of contents in accordance with all local, regional, national and international regulations.

Other hazards

No available data for this section.

Section 3. Composition/information on ingredients

Substances

No available data for this section.

Mixtures

Identifiers	Ingredients	Percentage	Classification
111-77-3	2-(2-methoxyethoxy)ethanol	<1%	Repr. 2
1333-86-4	Carbon Black	<10%	Carc. 2
143-24-8	2,5,8,11,14-Pentaoxapentadecane	<5%	Repr. 1B
68412-54-4	Nonylphenol, branched, ethoxylated	<3.5%	Aquatic Acute 1, Acute Tox. Orl. 4, Aquatic Chronic 1, Skin Irr. 2, Eye Irr. 2
7440-50-8	Copper (elemental)	<2.25%	Aquatic Acute 1, Aquatic Chronic 3, Acute Tox. Orl. 4
111-76-2	2-butoxyethanol	<2%	Acute Tox. Inhal. 4, Acute Tox. Orl. 4, Skin Irr. 2, Acute Tox. Derm. 4, Eye Irr. 2
9004-98-2	Ethoxylated Oleyl Alcohol	<1.5%	Acute Tox. Orl. 4, Skin Irr. 2, Eye Dam. 1
1313-13-9	Manganese dioxide	<1.5%	STOT RE 2, Acute Tox. Inhal. 4, Acute Tox. Orl. 4

Identifiers	Ingredients	Percentage	Classification
108-01-0	2-dimethylaminoethanol	<1%	STOT SE 3, Flam. Liq. 3, Met. Corr. 1, Acute Tox. Inhal. 4, Acute Tox. Orl. 4, Skin. Sens. 1B, Eye Dam. 1, Acute Tox. Derm. 4

Section 4. First-Aid Measures

Description of First Aid Measures

In the event of splashes or contact with eyes

Continue rinsing. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Seek medical attention if irritation, redness, or any other symptom develops. Wash eyes with plenty of water.

In the event of splashes or contact with skin

If redness or other symptoms occur, seek medical advice / attention. If you feel unwell, call a poison center, doctor, or medical service. Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water.

In the event of ingestion

If after ingestion you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If the exposed person is drowsy or unconscious, do not give anything by mouth. In case of ingestion of large quantities immediately take the exposed person to hospital. Rinse the mouth with water. Show safety data sheet to the doctor in attendance.

In the event of inhalation

If after inhalation you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If the exposed person is not breathing, provide artificial respiration. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious, or corrosive. Loosen tight clothing such as a collar, tie, belt, or waistband. Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

No available data for this section.

Indication of any immediate medical attention and special treatment needed

No available data for this section.

Section 5. Firefighting Measures

Extinguishing media

Suitable Extinguishing Media

The suggested appropriate media: Carbon dioxide. Dry chemical. Fog. Foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

High power water jets.

Special hazards arising from the substance or mixture

Specific Hazards Arising from Combustion of Products

Fire / decomposition hazards: Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust can be harmful. Gas, vapors, or dust may trigger allergic skin reactions.

Combustion Products

Carbon dioxide (CO_2). Carbon monoxide (CO). Oxides of nitrogen (NO_x). Formaldehyde. Ammonia (NH_3).

Advice for firefighters

Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

Always stay away from tanks engulfed in fire. Avoid being exposed to gas / mist / dust / fume / vapor /spray / particles. Avoid direct contact with the substance (solid / liquid / vapor). Do not allow run-off from fire fighting to enter drains or water courses. Evacuate the people from the area. Isolate hazard area and deny entry.

Other Information for Fire Fighters

No available data for this section.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid being exposed to gas / mist / dust / fume / vapor /spray / particles. Isolate and restrict access to area until completion of cleanup. Ventilate area of leak or spill. Wear appropriate chemical resistant gloves. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus or airline.

Environmental precautions

Dike area to prevent runoff and contamination of water sources. Dispose of the material in accordance with government regulations. Dispose of via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Notify the competent local authorities of any large scale spill. Prevent contamination of soil and surface water.

Methods and material for containment and cleaning up

Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. Ensure cleanup is conducted by trained personnel only. Move containers from spill area if there is no risk. Stop leak if safe to do so. Turn leaking containers leak-side up to prevent the escape of liquid. Absorb with earth, sand, or other non-combustible material.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

Avoid being exposed to gas / mist / dust / fume / vapor /spray / particles. Avoid contact with eyes. Avoid direct contact with the substance (solid / liquid / vapor). Check container for defect or leakage before handling. Do not eat, drink or smoke during handling. Do not handle until all safety precautions have been read and understood. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Report immediately if physical damage, leakage, or spillage occurs. Wash any exposed area of body thoroughly after handling. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Keep container tightly closed. Store locked up. Store only in well-ventilated areas.

Suitable Packaging

Store in original container / packaging.

Incompatible Materials

Not specified.

Specific end use(s)

No available data for this section.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

2-dimethylaminoethanol

United Kingdom

TWA	6 ppm WEL, Short-term value 22 mg/m³ WEL, Short-term value 2 ppm WEL, Long-term value 7.4 mg/m³ WEL, Long-term value

Carbon Black

United Kingdom

TWA	3.5 ppm WEL, Short-term (15 min) 7 mg/m³ WEL, Short-term (15 min)

2-butoxyethanol

STEL	360 mg/m³ OEL, Canada, Alberta
TWA	97 mg/m³ OEL, Canada, Alberta 20 ppm OEL, Canada, Alberta 75 ppm WEL, Short-term (15 min)

Copper (elemental)

United Kingdom

TLV	0.2 mg/m³ 8 hour, fume

ACGIH

TLV	0.2 mg/m³ 8 hour, fume 1 mg/m³ 8 hour, dust and mist

2-(2-methoxyethoxy)ethanol

United Kingdom

TWA	50.1 mg/m³ 8 hour, WEL 10 ppm 8 hour, WEL

Manganese dioxide

Germany

TWA	5 mg/m³ Peak, inhalable fraction 0.5 mg/m³ MAK, inhalable fraction

Exposure controls

Engineering Measures

Eye wash stations should be easily accessible to areas where product is stored, handled, or used. Provide adequate general and local exhaust ventilation.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

Eye/Face Protection

Wear safety goggles.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Ensure gloves are certified. Wear impermeable gloves.

Hygiene Measures

Keep away from food or drink. Wash Hands thoroughly after handling.

Environmental exposure controls

No available data for this section.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Various colors
Odor	Not available
Odor threshold	Not available
pH	8 to 8.5
Melting point	Not available
Boiling point	Not available
Flash Point	Not available
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.03 to 1.16 multiplier w/r/t water
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Percent volatiles	69 to 84 %wt
VOC content	250 g/l

Section 10. Chemical Stability & Reactivity Information

Reactivity

Reactivity: The product is known to be non-reactive in ambient conditions.

Chemical Stability

This product is stable under ambient condition.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

Keep away from: Cold. Direct sunlight. Heat.

Incompatible Materials

No available data for this section.

Hazardous Decomposition Products

Decomposition will Result in Production of: Oxides of carbon (CO_x). Oxides of nitrogen (NO_x).

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological Information for Component

2-butoxyethanol

LC50 Inhalation	2.18 mg/l (4h) Rat.
LD50 Dermal	220 mg/kg Rabbit.
LD50 Oral	250 mg/kg Rat.

Ethoxylated Oleyl Alcohol

LD50 Oral	Greater than 2000 mg/kg.

Nonylphenol, branched, ethoxylated

LD50 Oral	4000 mg/kg Rat.

Manganese dioxide

LD50 Oral	Lesser than 3478 mg/kg.

2-dimethylaminoethanol

LC50 Inhalation	4.08 mg/l (4h) Rat.
LD50 Oral	2000 mg/kg Rat. 1213 mg/kg Rabbit.

Irritation/Corrosion Information for Product

Eye contact: Cause mild irritation.

Skin contact: Cause mild irritation. May cause an allergic reaction.

Irritation/Corrosion Information for Component

No available data for this section.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

No available data for this section.

Ecotoxicity Values for Component

2-dimethylaminoethanol

EC50	35 mg/l (72h) Freshwater Algae. 98.77 mg/l (48h) Water Flea.
LC50 Environmental	81 mg/l (96h) Freshwater Fish.

Persistence and degradability

No available data for this section.

Bioaccumulative potential

Bioaccumulative Potential for Product

No available data for this section.

Bioaccumulative Potential for Component

2-dimethylaminoethanol

logPow: -0.55.

Mobility in soil

No available data for this section.

Results of PBT and vPvB assessment

No available data for this section.

Other adverse effects

No available data for this section.

Section 13. Disposal Considerations

Waste treatment methods

Waste Disposal Regulation(s) / Operation

Avoid release to soil. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
UN proper shipping name	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Transport hazard class(es)	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Packing group	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Environmental hazards	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	Not regulated for transport			

Section 15. Regulatory Information

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

Safety, Health and Environmental Regulations for Product

No available data for this section.

Safety, Health and Environmental Regulations for Component

2-dimethylaminoethanol

China IECSC: Present.
Korea (KECL/KNCL): Present.
TSCA: Present.
Canada DSL: Present.
Japan ENCS: Present.
Philippines PICCS: Present.
Australia AICS: Present.
European EINECs: 203-542-8.
Right to know: Massachusetts.
New Jersey.
Pennsylvania.

Manganese dioxide

TSCA: Present.
Canada DSL: Present.
European EINECs: Present.

Nonylphenol, branched, ethoxylated

SVHC: Present.

Chemical safety assessment

No available data for this section.

Section 16. Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Glossary

ACGIH: American Conference of Governmental Industrial Hygienists.
ACGIH TLV: Threshold Limit Value of the American Conference of Governmental Industrial Hygienists.
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
ATE: Acute Toxicity Estimate.
ECHA: European Chemicals Agency.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
NTP: National Toxicology Program.
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bio accumulative, Toxic.
Repr. 1B: Reproductive toxicity, Category 1B.
vPvB: very Persistent and very Bioaccumulative.