

Material Safety Data Sheet



TEX-R®

Section 1. Chemical product and company identification

Common name: TEX-R®

Material uses: Non-woven fabric for root pruning.

Supplier/ Manufacturer:

Texel, a division of ADS inc.
485, des Érables,
Ste-Elzear de Beauce, Quebec, G0S 2J0
Tel : (418) 387-4801 Fax : (418) 387-4326
Toll Free : 1-800-463-8929
www.texel.ca

In case of emergency:

CANUTEC (613) 996-6666
CHEMTREC, U.S. : (800) 424-9300
International: (703) 527-3887

Section 2. Hazards identification

Physical state: Solid.

Emergency overview: Warning!

When the product is sawn or torn, generated dust can produced irritations of the respiratory tracts, and eyes. Avoid breathing dust, use an approved NIOSH dust mask. Wear glove when handling the fabric or wash hands after handling the material.

Routes of entry: (dust) Eye contact. Inhalation

Potential acute health effects:

Eyes: The dust can Irritating to eyes.

Skin: Irritating to skin if sensitive skin condition.

Inhalation: The dust can irritating to respiratory tracts.

Ingestion: Will not occur.

Potential chronic health effects: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Medical conditions aggravated by overexposure: Repeated or prolonged exposure to the dust can aggravate respiratory medical condition or sensitive skin condition.

See toxicological Information (section 11)

Section 3. Composition, Information on Ingredients

Canada/ United States:

Name	CAS number	% by weight
Copper hydroxide	20427-59-2	2.0 – 9.0

This material is classified hazardous under OSHA regulations in the United States and the WHMIS Controlled Product Regulation in Canada.
See Chapters 8, 11 and 14 for details.

Section 4. First aid measures

Eye contact: If eye irritation develops after exposure to the dust, immediately flush eyes with plenty of water. Get medical attention immediately.

Skin contact: If irritation develops after handling, seek medical attention.

Inhalation: If respiratory problems develop after exposure to the dust, move the person to fresh air. Get medical attention.

Ingestion: Although highly improbable, if the material is ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.

Notes to physician: No specific antidote. The main ingredient of the fabric treatment is copper hydroxide which is corrosive in its initial form.

Section 5. Fire fighting measures

Flammability of the product: May be combustible at high temperature.

Auto-ignition temperature: The lowest known value is >343.33°C (650°F) (Polypropylene Resin). Closed cup.

Flash point: 365°C (689°F). (Pensky-Martens.)

Products of combustion: These products are carbon oxides. Some metallic oxides.

Fire hazards in presence of various substances: Slightly flammable to flammable in presence of open flames, sparks and static discharge. Use an extinguishing agent suitable for surrounding fires.

Fire fighting media and instructions: Use an extinguishing agent suitable for surrounding fires.

Special protective equipment for fire-fighters: Fire fighters should wear self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode when exposed to smoke and fumes emanating from burning material.

Section 6. Accidental release measures

Personal precautions: Not applicable.

Environmental precautions: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Methods for cleaning up: Not applicable.

Section 7. Handling and storage

Handling: Avoid contact with eyes, skin. Avoid breathing dust. Wash hands thoroughly after handling.

Storage: Avoid producing dust when handling, sawing or toring the fabric. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls, Personal Protection

Engineering controls: Good general ventilation should be sufficient to control dust levels.

Personal protection:

Eyes : Safety glasses with side shields, when the material is dusty.

Respiratory: Use a approved NIOSH dust mask if dust is being generated. (Sawn or torn)

Hands: Use glove for handling.

Skin/Body: Not applicable.

Section 9. Physical and chemical properties

Physical state: Solid.

Color: Black and white/grey.

Boiling/condensation point: Decomposition temperature: 288°C (550.4°F)

Melting/freezing point: 140 to 166°C (284 to 330.8°F) based on data for: Polypropylene Resin.

Specific gravity: 1.2 (Water = 1)

Solubility: Insoluble in cold water, hot water. Solubilization of copper hydroxide may occur in acidic solution of pH < 6.

Section 10. Stability and reactivity

Stability and reactivity: The product is stable.

Incompatibility with various: Reactive with oxidizing agents.

Hazardous polymerization: Will not occur.

Section 11. Toxicological information

Toxicity data:

Ingredient name	Test Result	Route	Species
Copper hydroxide	LD50 >3160 mg/kg	Dermal	Rabbit

Acute Effects:

Eyes: Irritating to eyes.

Skin: Irritating to skin.

Inhalation: Irritating to respiratory system.

Ingestion: No known significant effects or critical hazards.

Potential chronic health effects :

Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Section 12. Ecological information

Products of degradation : These products are carbon oxides and water. Some metallic oxides.

Section 13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Consult your local or regional authorities.

Section 14. Transport information

Classification DOT/ IMDG/IATA Label :Not regulated.

Additional information:

Section 15. Regulatory information

United States

HCS Classification: Irritating material

U.S. Federal regulations: TSCA : All components listed. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312

hazardous chemicals: Copper hydroxide SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Copper hydroxide: Immediate (Acute) Health Hazard

Clean Water Act (CWA) 307: Copper hydroxide Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act

(CAA) 112 regulated toxic substances: No products were found.

SARA 313 Product name CAS number Concentration

Form R - Reporting: Copper hydroxide 20427-59-2 2.0 – 9.0 requirements

Supplier notification: Copper hydroxide 20427-59-2 2.0 – 9.0

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations: Pennsylvania RTK: Copper hydroxide: (environmental hazard, generic environmental hazard)

New Jersey: Copper hydroxide

Canada

WHMIS (Canada): Class D-2B: Material causing other toxic effects (TOXIC).

DSL : All components listed.

International regulations

International lists: Australia (NICNAS): Polypropylene Resin; Copper hydroxide

China: Polypropylene Resin; Copper hydroxide Germany water class:

Copper hydroxide

Japan (METI): Polypropylene Resin; Copper hydroxide Korea (TCCL):

Polypropylene Resin; Copper hydroxide Philippines (RA6969):

Polypropylene Resin

Section 16. Other information

Label Requirements:
Hazardous Material :
Information System (U.S.A.)
National Fire Protection:
Association (U.S.A.)



Health	1
Fire hazard	1
Reactivity	0
Personal protection	C

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".
– Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2002.

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