

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYDROGEN PEROXIDE 34%
 PRODUCT NO: TM296
 RECOMMENDED USE: Odor control additive for reclaim pits

COMPANY: TRANS-MATE, INC.
 13 Sterling Road
 N. Billerica, MA 01862
 USA
 978-667-0100

EMERGENCY TELEPHONE NUMBER: Trans-Mate – 978-667-0100
 CHEMTREC – 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Danger

Causes serious eye damage. Fatal if swallowed. May cause fire or explosion; strong oxidizer. Causes skin irritation. Harmful if inhaled.

Wear protective gloves and eye protection. Wear flame resistant clothing. Wash thoroughly after handling. Do not eat drink or smoke when using this product. Avoid breathing mists. Use only outdoors or in a well-ventilated area. Keep away from heat. Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

If on skin/clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off contaminated clothing and wash it before reuse. Rinse skin with water. If irritation occurs get medical attention.

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

In case of fire: Use water spray or water fog to extinguish.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Store locked up. Dispose of contents/container in accordance with local/state/federal regulations.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS #	WEIGHT %
Hydrogen peroxide	7722-84-1	34%

*Identity of this ingredient is a trade secret

**Exact percentage of this ingredient is a trade secret

SECTION 4: FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

If on skin/clothing. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off contaminated clothing and wash it before reuse. Rinse skin with water. If irritation occurs get medical attention.

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray. Do not use carbon dioxide nor dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with combustible materials may cause fire. Thermal decomposition give off oxygen which can enhance sites of combustion. Explosion risk of over-pressurization in containers exposed to heat.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turnout gear as a general precaution.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Evacuate non-essential staff and those not equipped with individual protection apparatus. Prohibit contact with skin and eyes and inhalation of vapors. Prohibit all sources of sparks and ignition. Do not smoke. If safe to do so, plug or seal off leak. Remove all incompatible substances.

Dam up with sand or inert earth. Dilute with large quantities of water before discharging to sewer or to the environment.

Soak up with inert absorbent. Do not reintroduce the spilled product into another container; risk of decomposition.

Dilute with water. Dispose of rinse water as waste water.

SECTION 7: HANDLING AND STORAGE

Handle according to good manufacturing and warehousing practices. Avoid contact with eyes, skin and clothing.

Provide appropriate exhaust ventilation.

Do not let over-pressurization develop. Do not confine the product between two doors. Avoid splashing when handling.

Avoid contact with skin and eyes and inhalation of vapors. When using, do not eat drink or smoke. Wash hands after handling.

Store below 95F. Store away from combustible and oxidizing materials. Use only clean containers and equipment free from impurities. Never return unused material to storage receptacle. Protect from light, heat and contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	CAS #	OSHA PEL (ppm or *mg.M ³) +=skin, c=ceiling	ACGIH TWA (ppm or *mg.M ³) +=skin, c=ceiling
Hydrogen peroxide	7722-84-1	1	1

EYES: Wear eye protection (i.e. chemical safety glasses with side shields or goggles). Contact lenses should not be worn.

SKIN: Chemical resistant clothing (i.e. PVC or neoprene gloves, rubber or plastic boots) should be worn.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respirator.

VENTILATION: Provide appropriate exhaust ventilation.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash station and shower are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless liquid
 ODOR: Pungent
 ODOR THRESHOLD: NA
 pH: 3
 MELTING/FREEZING POINT: -26C
 BOILING POINT: 106C
 BOILING RANGE: NA
 FLASH POINT (CC): >212F/100C
 EVAPORATION RATE: NA
 FLAMMABILITY: Not flammable nor combustible
 UPPER/LOWER FLAMMABILITY LIMITS: NA
 UPPER/LOWER EXPLOSIVE LIMITS: NA
 VAPOR PRESSURE: 18 hPa at 20C
 VAPOR DENSITY: NA
 RELATIVE DENSITY: 9.3 LB/GAL
 SOLUBILITY: Soluble in Water
 PARTITION COEFFICIENT: N-OCTANOL/WATER: NA
 AUTO-IGNITION TEMPERATURE: NA
 DECOMPOSITION TEMPERATURE: NA
 VISCOSITY: Water thin

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Oxidizing agent.
 CHEMICAL STABILITY: Stable; contains stabilizer
 POSSIBILITY OF HAZARDOUS REACTIONS: Oxidizes some organic chemicals.
 INCOMPATIBLE MATERIALS: Avoid oxidizers and reducers.
 HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen, which can enhance combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

ACGIH: A3 - Animal Carcinogen
IARC: Group 3 carcinogen

SECTION 12: ECOLOGICAL INFORMATION

This product may be harmful or fatal to plant and animal life if release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT	UN2014	Hydrogen peroxide, aqueous solutions	5.1	II	5.1(8)	

SECTION 15: REGULATORY INFORMATION

RTK Ingredients: Water (7732-18-5), Hydrogen peroxide (7722-84-1)

SECTION 16: OTHER INFORMATION

NFPA 704

HAZARD RATING

4=Severe H=Health H=3

3=Serious F=Fire F=0

2=Moderate R=Reactivity R=2

1=Slight

0=Minimal

Prepared: January 2, 2015

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