

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CAUSTIC SODA 25%
 PRODUCT NO: TM295
 RECOMMENDED USE: Nonpotable water treatment

 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 severe skin burns and eye damage. Harmful if swallowed or inhaled.

Wear protective gloves and eye protection. Wash thoroughly after handling. Do not eat drink or smoke when using this product. Do not breathe mists. Use only outdoors or in a well-ventilated area.

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: Take off immediately contaminated clothing and wash it before reuse. Rinse skin with water. Immediately call a doctor.

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

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.

Store locked up.

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

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

INGREDIENT	CAS #	WEIGHT %
Sodium hydroxide	1310-73-2	47-53%

*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: Take off immediately contaminated clothing and wash it before reuse. Rinse skin with water. Immediately call a doctor.

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

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, dry chemical, carbon dioxide or "alcohol" foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion may produce noxious and irritating gases which will require fresh air source in firefighting.

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

Use personal protective equipment; see Section 8.

Keep product from entering storm sewers and ditches that may lead to waterways.

Stop spill at source; dike and contain large spills and transfer to recovery container. Use absorbent for small spills and containerize.

See Section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

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

Store indoors between 40F/4C and 100F/38C

Use product only for intended use. Follow label directions.

Wash hands after handling.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	CAS #	OSHA PEL (ppm or *mg.M ³) +=skin, c=ceiling	ACGIH TLV (ppm or *mg.M ³) +=skin, c=ceiling
Sodium Hydroxide	1310-73-2	2*c	2*c

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. gloves) is recommended.

RESPIRATORY PROTECTION: Not expected to be needed. Where over-exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

VENTILATION: Local exhaust or general room ventilation is normally adequate.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash station is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless liquid
 ODOR: Biting
 ODOR THRESHOLD: NA
 pH: 14
 MELTING/FREEZING POINT: NA
 BOILING POINT: NA
 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: NA
 VAPOR DENSITY: NA
 RELATIVE DENSITY: 10.5 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: Alkaline. Avoid strong acids.
 CHEMICAL STABILITY: Stable
 POSSIBILITY OF HAZARDOUS REACTIONS: Low.
 INCOMPATIBLE MATERIALS: Avoid oxidizers and reducers. Avoid strong acids.
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and other gases.

SECTION 11: TOXICOLOGICAL INFORMATION

This product contains no ingredients at or about 0.1% that are listed by NTP, IARC, or OSHA as carcinogens.

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	UN1824	Sodium hydroxide solution	8	II	CORROSIVE	-

SECTION 15: REGULATORY INFORMATION

RTK Ingredients: Water (7732-18-5), Sodium hydroxide (1310-73-2)

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=0

1=Slight

0=Minimal

Prepared: January 2, 2015

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