

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WINTER CITRUS
 PRODUCT NO: TM287
 RECOMMENDED USE: Car Wash Detergent with Methanol

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

Highly flammable liquid and vapor. Toxic if swallowed, if inhaled, or in contact with skin. Causes damage to organs.

Wear eye protection and protective gloves. Do not breathe mist. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat drink or smoke when using this product. Keep container tightly closed. Keep away from heat and flames. Ground container. Use explosion-proof equipment and non-sparking tools. Take precautionary measures against static discharge.

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

If on skin: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water. Call a doctor if you feel unwell.

If swallowed: Rinse mouth. Immediately call a doctor.

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

In case of fire: Use dry chemical, water fog or carbon dioxide extinguisher.

If exposed: Call a doctor.

Store locked up. Store in a well-ventilated place. Keep cool.

Dispose of unused product and container in accordance with federal, state and local regulations.

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

INGREDIENT	CAS #	WEIGHT %
Methanol	67-56-1	85-95
Ethanolamine dodecylbenzene sulfonate	26836-07-7	1-5**

*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. Call a doctor.

If on skin: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water. Call a doctor if you feel unwell.

If swallowed: Rinse mouth. Immediately call a doctor.

If inhaled: Remove person to fresh air and keep comfortable for breathing. 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 fire fighting.

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
Methanol	67-56-1	200/250+	200/250+

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: Blue liquid
 ODOR: Solvent odor, citrus fragrance
 ODOR THRESHOLD: NA
 pH: 8-9
 MELTING/FREEZING POINT: Approx. NA
 BOILING POINT: APPROX 150F
 BOILING RANGE: NA
 FLASH POINT (CC): 55F/13C
 EVAPORATION RATE: Approx. that of water
 FLAMMABILITY: Flammable
 UPPER/LOWER FLAMMABILITY LIMITS: NA
 UPPER/LOWER EXPLOSIVE LIMITS: 6%/36.5% (Methanol)
 VAPOR PRESSURE: NA
 VAPOR DENSITY: 1.1 (Air = 1)
 RELATIVE DENSITY: 6.9 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: Stable
 CHEMICAL STABILITY: Stable
 POSSIBILITY OF HAZARDOUS REACTIONS: Low.
 INCOMPATIBLE MATERIALS: Avoid oxidizers and reducers.
 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.

Methanol may cause fetotoxic (toxic to the fetus during the latter stages of pregnancy, often through the placenta) and teratogenic effects (causing malformations of the fetus), based on animal information.

SECTION 12: ECOLOGICAL INFORMATION

Ecological data for this chemical mixture is not available.

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	UN1992	Flammable Liquid, Poisonous NOS (methyl alcohol, isopropyl alcohol)	3, 6.1	PGII	-	-

SECTION 15: REGULATORY INFORMATION

RTK Ingredients : Methanol (67-56-1), Water (7732-18-5), Ethanolamine dodecylbenzenesulfonate (26836-07-7)

SECTION 16: OTHER INFORMATION

NFPA 704
HAZARD RATING
4=Severe H=3
3=Serious F=3
2=Moderate R=0
1=Slight
0=Minimal

Prepared: December 30, 2015

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which maybe the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer or his agent based on its own studies and on the work of others. Neither the manufacturer nor his agent makes any warranty, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. Neither the manufacturer nor his agent shall be held liable (regardless of fault) to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information. Data is supplied for use only in connection with occupational safety and health.