

1 SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GLASS CLEANER CONCENTRATE
 PRODUCT NO: TM084C
 RECOMMENDED USE: Automotive Glass Cleaner

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 - Flammable.

Acute Effects: Causes eye irritation. Causes skin irritation. Vapor or mist may cause irritation to mucous membranes and respiratory tract. Harmful or fatal if swallowed.

Chronic Effects: May aggravate pre-existing skin and respiratory tract conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	WEIGHT %
Isopropanol	67-63-0	5-15**
2-Butoxyethanol	111-76-2	5-15**

*Identity of this ingredient is a trade secret

**Exact percentage of this ingredient is a trade secret

SECTION 4: FIRST AID MEASURES

EYES: Flush with plenty of water for 15 minutes. Get medical attention if irritation develops.

SKIN: Thoroughly wash with water. Remove contaminated clothing and wash before reuse. If irritation develops seek medical advice.

INHALATION: Remove to fresh air. If breathing is difficult, get medical attention immediately.

INGESTION: Do not induce vomiting; aspiration hazard. Get medical attention at once. Never give anything by mouth to an unconscious person.

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
Isopropanol	67-63-0	400	400
2-Butoxyethanol	111-76-2	25+	25+

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
 ODOR THRESHOLD: NA
 pH: 7-10
 MELTING/FREEZING POINT: Approx. 25F/-4C
 BOILING POINT: APPROX 200F/93C
 BOILING RANGE: NA
 FLASH POINT (CC): 88F/31C
 EVAPORATION RATE: Approx. that of water
 FLAMMABILITY: Flammable
 UPPER/LOWER FLAMMABILITY LIMITS: NA
 UPPER/LOWER EXPLOSIVE LIMITS: 12.7%/2% (Isopropanol)
 VAPOR PRESSURE: NA
 VAPOR DENSITY: 2 (Air = 1)
 RELATIVE DENSITY: 8.1 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.

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	UN1993	Flammable Liquid, NOS (isopropyl alcohol, ethylene glycol monobutyl ether)	3	PGII	-	-

SECTION 15: REGULATORY INFORMATION

RTK Ingredients : Water (7732-18-5), Isopropanol (67-63-0), 2-Butoxyethanol (111-76-2)

Canada



Class D2B Toxic Materials



Class B Flammable

SECTION 16: OTHER INFORMATION

NFPA 704

HAZARD RATING

4=Severe H=2

3=Serious F=3

2=Moderate R=0

1=Slight

0=Minimal

Prepared: April 1, 2013

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