

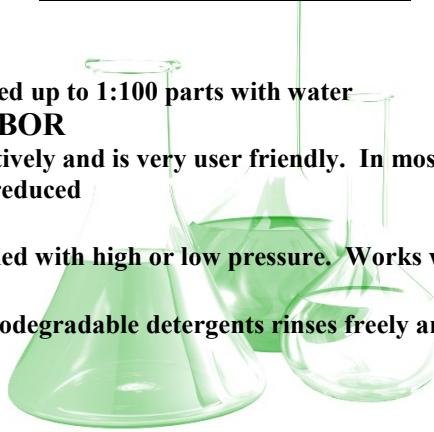


# TRANSCLEAN PLUS

**Transclean Plus** is a concentrated, synthetic, high foaming formulation that was designed for use in bus and transit washes, as well as auto dealerships. **Transclean Plus** is the choice for brush or agitation applications.

## FEATURES & BENEFITS

- **ECONOMICAL**  
Can be diluted up to 1:100 parts with water
- **SAVES TIME & LABOR**  
Cleans effectively and is very user friendly. In most cases the need for manual brushing is reduced
- **VERSATILE**  
Can be applied with high or low pressure. Works well in hot or cold water
- **FREE RINSING**  
Synthetic, biodegradable detergents rinses freely and completely. No streaking



## DIRECTIONS

### BRUSHLESS WASH

**Dilution Rate:** Mix **Transclean Plus** 1:50 to 1:75 in water for removal of heavy soil or road film without brushing. For best results let **Transclean Plus** soak on vehicle for 30-40 seconds. Note if using a brush or for light cleaning, mix 1 part **Transclean Plus** with up to 100 parts water. Dilution levels will vary with soil level.

**Temperature:** **Transclean Plus** will remove soil at all temperatures. **However higher temperatures will greatly improve performance.**

**Pressure:** Apply **Transclean Plus** to trucks with high or low pressure. **High pressure will enhance product performance.**

**For Best Results:** Apply at high temperatures (140° - 160°F) and high pressure (above 600 psi), to a dry surface. Always rinse with high-pressure water.

1. Apply dilutions to surface to be cleaned, working from bottom to top to avoid streaking. **Transclean Plus** may be applied to as large a surface area as desired, being careful not to allow **Transclean Plus** to dry on surface.
2. Rinse thoroughly with high-pressure water, working from top to bottom.
3. Hold pressure nozzle 12" from vehicle surface.

**NOTE:** See reverse side for MSDS information and General Cautions for Use

Visit our website at [www.ver-techlabs.com](http://www.ver-techlabs.com)

# MATERIAL SAFETY DATA SHEET

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>	
<b>Identity (As Used on Label and List):</b> Transclean Plus (TRA100) <b>Product Class:</b> Water-based cleaner <b>Emergency Telephone Number:</b> 800-535-5053 (INFOTRAC) <b>Telephone Number for Information:</b> 763-509-7937 <b>Manufacturer's Name and Address:</b> Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373	
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>	
<b>Hazardous Components (Specific Chemical Identity):</b>	
<b>Chemical</b>	<b>Common Name(s)</b>
A	Potassium hydroxide CAS #1310-58-3
B	Surfactant Proprietary blend
C	2-butox ethanol CAS #111-76-2
<b>SECTION III - HAZARDS IDENTIFICATION</b>	
<b>Emergency Overview</b>	
<b>Appearance and Odor:</b> Red liquid, mild odor.	
<b>Primary Hazards:</b> Irritant	
<b>Potential Health Hazards</b>	
<b>Route(s) of Entry:</b> Skin Absorption: X Ingestion: X Inhalation: X	
<b>Eye:</b> May cause irritation or burns on contact.	
<b>Skin:</b> May cause irritation or burns on contact.	
<b>Ingestion:</b> May be harmful if swallowed.	
<b>Inhalation:</b> Overexposure to vapors may be damaging.	
<b>Signs and Symptoms of Exposure:</b> Eye Contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.	
<b>Carcinogenicity:</b> NTP? No IARC Monographs? No	
<b>OSHA Regulated?</b> No	
<b>Target Organ (s):</b> Eyes, skin. See health hazards, chronic.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av.	
<b>Health Hazards, Chronic:</b> Over exposure to chemical C Section 1 may cause damage to liver kidneys lymphoid system, skin, blood and respiratory system	
<b>SECTION IV - FIRST AID MEASURES</b>	
<b>Emergency and First Aid Procedures:</b>	
<b>If Swallowed:</b> Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes. Obtain medical attention. <b>Skin Contact:</b> Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.	
<b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.	
<b>SECTION V - FIRE FIGHTING MEASURES</b>	
<b>Flammability:</b> No	<b>Autoignition Temperature:</b> N. Ap.
<b>Flash Point (method used):</b> None	
<b>Flammable Limits:</b> N. Ap.	LEL UEL
<b>Extinguishing Media:</b> N. Ap.	
<b>Water?</b>	<b>Foam?</b>
<b>Alcohol Foam?</b>	<b>CO<sub>2</sub>?</b>
<b>Vaporizing Liquid?</b>	<b>Other?</b>
<b>Water Fog?</b>	<b>Dry Chemical?</b>
<b>Special Fire Fighting Procedures:</b> N. Ap.	
<b>Unusual Fire and Explosion Hazards:</b> N. Av.	
<b>TDG Flammability Classification:</b> Non-flammable	
<b>Sensitivity to Mechanical Impact:</b> None	
<b>Sensitivity to Static Discharge:</b> None	
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>	
<b>Steps to be taken in Case Material is Released or Spilled:</b>	
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.	
<b>SECTION VII - HANDLING AND STORAGE</b>	
<b>Precautions to be taken in Handling and Storing:</b>	
Normal care in handling and storage.	
<b>Other Precautions:</b> Keep out of reach of children. Keep from freezing.	
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Respiratory Protection (Specify Types):</b> Dust/mist respirator is recommended when spraying product.	
<b>Ventilation:</b> Local Exhaust: Not required	<b>Special:</b> Not required
<b>Mechanical (General):</b> Normal good ventilation sufficient.	<b>Other:</b> Not required
<b>Protective Gloves:</b> Natural rubber or synthetic.	
<b>Eye Protection:</b> Approved safety goggles or glasses. <b>Footwear:</b> Not required	
<b>Other Protective Clothing or Equipment:</b> Not required	
<b>Work/Hygienic Practices:</b> Do not contaminate food or beverages with cleaning chemicals.	

<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
<b>Boiling Point:</b> Approximately 212°F		<b>pH:</b> > 12.2			
<b>Specific Gravity (H<sub>2</sub>O) = 1:</b> 1.04					
<b>Vapor Density (Air = 1):</b> N. Av.		<b>Odor Threshold:</b> N. Av.			
<b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av.		<b>Oil/Water Distribution Coefficient:</b> N. Av.			
<b>Solubility in Water:</b> Complete					
<b>Vapor Pressure (MM HG):</b> N. Av.					
<b>Melting Point:</b> N. Ap.					
<b>SECTION X - STABILITY AND REACTIVITY</b>					
<b>Stability:</b> Unstable: Stable: X					
<b>Conditions to Avoid:</b> N. Ap.					
<b>Incompatibility (materials to avoid):</b> N. Av.					
<b>Hazardous Decomposition or By-products:</b> N. Av.					
<b>Hazardous Polymerization:</b> May occur: Will not occur: X					
<b>Conditions to Avoid:</b> N. Ap.					
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
<b>Chemical</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Recom.</b>	<b>LD50</b>	<b>LC50</b>
A	C2 mg/M3	C2 mg/M3	N. Av.	205 mg/kg (rat, oral)	N. Av.
B	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
C	N. Ap.	N. Ap.	N. Av.	5.4 ml/kg (rat, oral)	N. Av.
<b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No					
<b>Toxicologically Synergistic Products:</b> N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
<b>Ecotoxicological Information:</b> N. Av.					
<b>Chemical Fate Information:</b> N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
<b>Waste Disposal Method:</b>					
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.					
<b>RCRA Hazard Class:</b> D0002 Characteristic Corrosive					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
<b>Shipping Classification:</b> Corrosive liquid, basic inorganic, (potassium hydroxide), Class 8					
<b>UN Number:</b> UN3266					
<b>Packing Group:</b> II					
<b>SECTION XV - PREPARATION DATA</b>					
<b>Prepared By:</b> Health and Safety Department					
<b>Telephone Number:</b> 763-509-7937					
<b>Date:</b> 7-17-2008					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
<b>US Federal Regulations</b>					
<b>TSCA Status:</b> All ingredients listed.					
<b>CERCLA Reportable Quality:</b> N. Av.					
<b>SARA Title III</b>					
<b>Section 302 Extremely Hazardous Chemicals:</b> None					
<b>Section 311/312 Hazard Category:</b> Immediate health hazard					
<b>Section 313 Toxic Chemicals:</b> 2-butox ethanol (glycol ether)					
<b>SECTION XVII - OTHER INFORMATION</b>					
None					
N. Ap. - Not Applicable; N. Av. - Not Available					

**NFPA SYSTEM**  
 2 A. Health Hazard      0 A. Fire Hazard      0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.