



TURI SURACE CLEANING LABORATORY

CLEANING CHEMICAL QUESTIONNAIRE

See letter for submission instructions.

Material Safety Data Sheet (MSDS)
MUST Be Attached
(and Technical Data Sheet, if available)

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- Product/Trade Name (Please use a **separate** questionnaire for each cleaning chemical you want listed in the Directory)
BEYOND-2001® Generic Chemical Family: None
Meets Specified Standard(s): ASTM: X Mil Spec: X FDA: Other: X
Primary Cleaner Classification (Check only one):

<input type="checkbox"/> Acidic Aqueous	<input type="checkbox"/> Semi-Aqueous	<input type="checkbox"/> Powder detergent	<input type="checkbox"/> Extracting
<input type="checkbox"/> Neutral Aqueous	<input type="checkbox"/> Terpene	<input type="checkbox"/> Enzymatic/	<input type="checkbox"/> HCFC
<input checked="" type="checkbox"/> Alkaline Aqueous	<input type="checkbox"/> Petroleum distillate	<input type="checkbox"/> Microbial	<input type="checkbox"/> Alcohol
<input type="checkbox"/> Caustic	<input type="checkbox"/> Organic	<input type="checkbox"/> Blasting	<input type="checkbox"/> Other: <u> </u>
- Chemical Constituents (Check all that apply & specify) Example ☒ Builder: Sodium Hydroxide 50% (as Concentrate)
Cleaner Containing: At Least Some Water (%) OR No/Minimal Water

<input checked="" type="checkbox"/> Builder: <u> </u>	<input checked="" type="checkbox"/> Water conditioner/Sequestering/	<input type="checkbox"/> Supercritical fluid:
<input checked="" type="checkbox"/> Surfactant: <u> </u>	<input checked="" type="checkbox"/> Chelating agent: <u> </u>	<input type="checkbox"/> Blasting medium: <u> </u>
<input checked="" type="checkbox"/> Emulsifier: <u> </u>	<input type="checkbox"/> Corrosion inhibitor/Rust	<input type="checkbox"/> Other: <u> </u>
<input checked="" type="checkbox"/> Saponifier: <u> </u>	prohibitor: <u> </u>	
<input type="checkbox"/> Other: <u> </u>	<input type="checkbox"/> Anti-microbial: <u> </u>	
<input checked="" type="checkbox"/> Rinse aid/Silicate: <u> </u>		
- Industrial Applications (Number all that apply, Most Used = 1)

<input checked="" type="checkbox"/> Aerospace/Military=1	<input checked="" type="checkbox"/> Metal Finishing	<input type="checkbox"/> PCBs	<input checked="" type="checkbox"/> Semiconductors
<input checked="" type="checkbox"/> Cleanrooms	<input checked="" type="checkbox"/> Metal Fabrication	<input checked="" type="checkbox"/> Plastics	<input type="checkbox"/> General Cleaning (floors, etc.)
<input checked="" type="checkbox"/> Basic Electronics	<input type="checkbox"/> Optics	<input checked="" type="checkbox"/> Precision Instruments	<input checked="" type="checkbox"/> Maint./Repair (engines, etc.)
<input type="checkbox"/> Medical	<input checked="" type="checkbox"/> Painting	<input checked="" type="checkbox"/> Printing	<input type="checkbox"/> Other: Nuclear
- Contaminant Removal (Check all that apply & specify, if possible) Example ☒ Coatings Conformal

<input checked="" type="checkbox"/> Adhesives	<input checked="" type="checkbox"/> Coatings CVD/PVD	<input checked="" type="checkbox"/> Greases	<input checked="" type="checkbox"/> Mold releases/	<input type="checkbox"/> Rust/Scale
<input checked="" type="checkbox"/> Buffing/polishing	<input checked="" type="checkbox"/> Cutting/tapping	<input checked="" type="checkbox"/> Inks Layout dyes	<input checked="" type="checkbox"/> Silicones	<input checked="" type="checkbox"/> Waxes
compounds	fluids	<input checked="" type="checkbox"/> Lubricating/	<input checked="" type="checkbox"/> Paints/wet	<input checked="" type="checkbox"/> Other: <u> </u>
<input checked="" type="checkbox"/> Carbon deposits	<input checked="" type="checkbox"/> Fluxes	lapping oils	<input checked="" type="checkbox"/> Resins/Rosins	
- Substrate Compatibility (Check all that apply)

<input checked="" type="checkbox"/> Aluminum	<input checked="" type="checkbox"/> Carbon steel	<input type="checkbox"/> Glass/quartz	<input checked="" type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Nickel
<input checked="" type="checkbox"/> Alloys (Specify): <u> </u>	<input checked="" type="checkbox"/> Ceramics	<input checked="" type="checkbox"/> Gold	<input checked="" type="checkbox"/> Stainless steel	<input checked="" type="checkbox"/> Tin
	<input checked="" type="checkbox"/> Copper	<input checked="" type="checkbox"/> Plastic (Specify): <u> </u>	<input checked="" type="checkbox"/> Steel	<input checked="" type="checkbox"/> Other/Turbine blades
<input checked="" type="checkbox"/> Brass	<input type="checkbox"/> Galvanized steel		<input checked="" type="checkbox"/> Sterling/silver	<u>Metal blends</u>
- Equipment Compatibility (Check all that apply & specify, if applicable)

<input checked="" type="checkbox"/> Cold Solvent	<input checked="" type="checkbox"/> Mechanical Agitation	<input checked="" type="checkbox"/> Low Pressure Spray <u>5 to 15</u> psi-range
<input type="checkbox"/> Vapor Degreasing	<input checked="" type="checkbox"/> Ultrasonics	<input checked="" type="checkbox"/> High Pressure Spray <u>100 plus</u> psi-range
<input checked="" type="checkbox"/> Manual Wipe	<input type="checkbox"/> Media Blasting	<input type="checkbox"/> Other: <u>Vibratory</u>
<input checked="" type="checkbox"/> Immersion/Soak	<input checked="" type="checkbox"/> Supercritical Extract	
- Recommended Concentrations: 2 to 50% Percent Volume (range)
Recommended Temperatures: Ambient to 145°F Deg. F (range)
- Important Physical and Chemical Properties:
Maximum theoretical VOC content: 86 max.
GWP: NONE Surface Tension: Density: 1.07
ODP: NONE Kb value: NONE Other:
- Cost per pound/gallon: Smallest-unit price: Large-volume price: US\$
- Additional pertinent information not found elsewhere on this form or MSDS:

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 11-11-1991

Date Updated: 1-2-1999

HMIS Designation Key: N.A.

HMIS Rating: Health 1 - Flammability 0 - Reactivity 0 - Personal Protection B

SECTION 1

PRODUCT IDENTITY

PRODUCT NAME: BEYOND-2001® Industrial Cleaner
MANUFACTURER'S NAME: TODAY & BEYOND
COMPANY ADDRESS: P.O. BOX 690 - ASHLAND, OHIO 44805
CO. PHONE NO: (419) 945-2628 FAX#: 419-945-2513

SECTION 2

HAZARDOUS INGREDIENTS - HAZARD DATA

CHEMICAL NAMES	CAS REGISTRY NO:	% WT	TWA	STEL	SOURCE	CARCINOGEN?
NONE				(ppm)	(ppm)	NO

SECTION 3

PHYSICAL DATA

BOILING POINT @ 760 mm Hg, °F: Approx. 220
FREEZING POINT, °F: 32
pH: 10% SOLUTION: 11.8 to 12.8
PERCENT VOLATILE BY WT.(%): 89
SPECIFIC GRAVITY or BULK DENSITY: 1.07
SOLUBILITY IN WATER: 100
APPEARANCE & ODOR: Blue Liquid-Mild Odor
VAPOR PRESSURE mm Hg @ 20 °C.: Less than 20
VAPOR DENSITY (Air = 1): Not determined.
EVAPORATION RATE (BuAc=1): Less than 1

SECTION 4

FIRE & EXPLOSION HAZARD DATA

FLASH POINT °F (TEST METHOD C.O.C.): Not flammable.
AUTOIGNITION TEMPERATURE: N/A
FLAMMABILITY LIMITS IN AIR (% V): N/A
EXTINGUISHING MEDIA: No restrictions known, use media appropriate for surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES: Recommend that self-contained breathing apparatus and protective clothing be worn in areas where this product is involved in a fire. Use water spray to keep containers cool and to knock down fumes.
UNUSUAL FIRE & EXPLOSION HAZARDS: May release oxides of carbon when heated to extreme temperatures.

SECTION 5

HEALTH HAZARD DATA - EFFECTS OF OVEREXPOSURE

SKIN CONTACT: May cause irritation to skin.
EYE CONTACT: Will cause irritation or burns.
INHALATION: May cause respiratory tract irritation.
INGESTION: May cause gastrointestinal tract irritation.
ACUTE EFFECTS OF OVEREXPOSURE: Irritation or burns to tissues contacted.
CHRONIC EFFECTS OF OVEREXPOSURE: None known.

SECTION 6

EMERGENCY & FIRST AID PROCEDURES

SKIN: Promptly wash with plenty of soap and water. Wash clothing before reuse.
EYES: Immediately flush with plenty of water for at least 15 minutes while holding eyelids apart. Get medical attention.