

## Acceptable Cutting Fluids and Detergents for use with Vitro’s MSVD Sungate® and Solarban® Coated Glass Products

(Sungate 400, Sungate 460, Solarban z50, Solarban 60, Solarban 67, Solarban 70, Solarban z75, Sungate 400VT, Sungate 460VT, Solarban z50VT, Solarban 60VTII, Solarban 67VT, Solarban 70VT, Solarban 72VT, Solarban z75VT, Solarban R77VT, Solarban 90VT, Solarban R100VT Coated Glass)

Acceptable Cutting Fluid List			
PRODUCT NAME	SOURCE	TELEPHONE	WEBSITE
Magnudraw Vanishing Oil	PPG Industries, Inc (Industrial Coatings)	888-774-2001	<a href="http://ppg.com/coatings/industrial/Pages/default.aspx">ppg.com/coatings/industrial/Pages/default.aspx</a>
Magslip 2100-E	Magnus Chemical	800-522-5815	<a href="http://www.magnus.ca">www.magnus.ca</a>
Acecut 5250, 5503, 5929, 6613 Cutting Fluids	Bohle America, Inc	704--247-8400	<a href="http://bohle-america.com">bohle-america.com</a>
CRL Professional Cutting Fluid W410, V024	CR Laurence Co.	800-421-6144	<a href="http://crlaurence.com">crlaurence.com</a>
Perfect Score 5503, 6613, HP-5503	Perfect Score	972-576-2407	<a href="http://glasscuttingwheels.com">glasscuttingwheels.com</a>
Iloform 7425	Castrol	800-621-2661	<a href="http://castrol.com">castrol.com</a>
GC 100E, GC 110E, GC 115E, GC 120E	Glass Chem LLC	704-504-3131	<a href="http://glasschem.net">glasschem.net</a>
Clean Cut Cutting Fluid, CoolCut 017-1991-005, CoolCut Plus 016-CCPLS (Starkut 1991)	Edgeworks	269-637-0445	<a href="http://edgeworksco.com">edgeworksco.com</a>
Aculite High Precision Cutting Fluid	Perfect Technology	972-576-2200	<a href="http://ptc-glass.com">ptc-glass.com</a>
Cutting Oil, GCO, COIL, GCO2 Cutting Fluid, Vanishing Oil #2	Tarr, LLC	800-422-5069	<a href="http://tarr-inc.com">tarr-inc.com</a>
Aceite de Lubrication Tipo C	Kalon - Tuomas	+91-669-60-06	<a href="http://kalon.eu">kalon.eu</a>
Process 401, 410, 487	J&S Chemical Corp	800-370-4807	<a href="http://jschemical.com">jschemical.com</a>
GED GX Cut 6110	GED Integrated Sol.	330-963-5401	<a href="http://gedusa.com">gedusa.com</a>

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Acceptable Cutting Fluid List - Continued			
Sogever 1000 FG/US Sogever 1100 FG/US Sogever 1200 FG/US	The Fletcher-Terry Company	860-828- 3400	fletcherviscom.com fwheels/main.html
Score	Engineered Coolants	317-288- 8708	engineeredcoolants.c om
STM-CUT 5, STM-CUT 6, STM-CUT 8, STM-CUT 14	Salem Dist Co	800-234- 1982	salem-dist.com
ProDraw VOV	Progressive Industrial Fluids	905-602- 5247	1pifl.ca
Silberschnitt V52 Silberschnitt V55 Silberschnitt W60 Silberschnitt V59	Bohle America, Inc.	704--247- 8400	bohle-america.com
<b><i>Cutting fluids that are not on this list must be submitted to Vitro for evaluation.</i></b>			

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<b>Acceptable Detergent List</b>			
Dart 210	Madison Chemical Co.	800-345-1915	madchem.com
Glass Washing Detergent	Billco Manufacturing Co.	724-452-7390	billco-mfg.com
Basic H	Shaklee Corporation	800-742-5533	shaklee.com
Low-E Washing Machine Detergent	Sommer & Maca / CR Laurence Co.	800-323-9200 800-421-6144	somaca.com crlaurence.com
I.G.S. 55:1	Effective Industrial Solutions	905-873-1554	eisglasswash.com
Condor 382PGT	Condor Oil & Chemical Co.	440-965-4995	condoroil.com
IGW 55:1 Concentrate	Concept Cosmetic Labs	773-572-6448	conceptlabs.org
Glass Cleaner Concentrate	CR Laurence Co.	800-421-6144	crlaurence.com
Acedet 5509, 6480	Bohle America, Inc	877-678-2021	bohle-america.com
GC 150 DET	Glass Chem LLC	704-504-3131	glasschem.net
UNISYN L609	Mega Lab (Naschem)	877-634-2522	mega-lab.com
Silverwax 9 Glass Cleaner	Laboratoire Hygienex, Inc	418-522-2332	silverwax.ca
Sogever SOG DG 150 SG	The Fletcher-Terry Company	860-828-3400	fletcherwiscom.com/ fwheels/main.html
Glass Washer Additive	Willian Design Ltd.	+44 1438-742100	willian.com
Wetaid 18 3x M Concentrate	DuBois - Heatbath Corp	413-452-2000	heatbath.com
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HISTORY TABLE		
ITEM	DATE	DESCRIPTION
Original Publication	10/2/2009	Cut fluid update from 5/27/09 & detergent update from 7/17/08
Revision #1	4/20/2010	Cutting fluids and detergents added
Revision #2	11/22/2010	Bohle America phone number updated, removed Glass Supplies Inc products (Sogever) & replaced with Glass Chem products due to company change, updated Sommer & Maca company to include CR Laurence due to buyout, added other cutting fluids and detergents
Revision #3	4/13/2011	Added Perfect Score 6613 & changed other name to 5503 for cutting fluids, added GC150DET & UNISYN L609 detergents, updated MSVD listing.
Revision #4	10/21/2011	Added Magnus Vanishing Oil
Revision #5	1/3/2013	Added Solarban 67 and 67VT to header.
Revision #6	3/14/2013	Added Sogever cutting fluids from Fletcher-Terry Co.
Revision #7	6/11/2013	Added Silverwax 9 and Sogever SOG DG150 products to detergent list.
Revision #8	10/4/2016	Updated to Vitro Logo and format
Revision #9	8/9/2017	Removed “www.” from web addresses. Added Score, Acecut 5250 and Process 401 cutting fluids. Added Glass Washer Additive detergent and Wetaid 18. Changed Magnus Vanishing Oil to Magslip 2100-E (same product). Updated products in header. Added web and phone info.
Revision #10	2/13/2018	Added Perfect Score Hp-5503, Salem Dist Co STM-CUT 5, STM-CUT 14 and Castrol Iloform 7425. Minor editorial changes.
Revision #11	9/17/2018	Added Kalon – Tuomas, CRL V024 and STM-Cut 6
Revision #12	1/28/2019	Updated the Vitro Logo and format; Added STM-Cut 8
Revision #13	5/13/2020	Added ProDraw VOV
Revision #14	01/26/2021	Added SBR77VT to list of products and revised SB70 name.
Revision #15	05/06/2021	Added four Bohle cutting fluids, Silberschnitt V52, V55, W60, and V59.
Revision #16	09/12/2021	Revise Bohle America, Inc. contact information
Revision #17	12/16/2024	Added Tarr Cutting Oil

*This document is intended to inform and assist the reader in the application, use, and maintenance of Vitro Flat Glass products. Actual performance and results can vary depending on the circumstances. Vitro makes no warranty or guarantee as to the results to be obtained from the use of all or any portion of the information provided herein, and hereby disclaims any liability for personal injury, property damage, product insufficiency, or any other damages of any kind or nature arising from the reader's use of the information contained herein.*

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