



# **DONIFLEX® GR-A**

Soft sealing material reinforced with tanged steel insert. Excellent thermal and stress resistance combined with very good adaptability to flange irregularities.

#### **Basis**

Aramid fibers, Graphite, NBR, Steel

#### Color

Black

#### Surface treatment

Branded, without coating. A special silver coloured non-stick top and bottom layer as well as other additional surface treatments (silicone, PTFE) are available on request.

#### **Dimensions of standard Sheet**

Sheet size:

1000x500 mm 1500x500 mm

Thickness:

1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm, 4.0 mm

#### **Application**

Doniflex® GR-A is soft sealing material reinforced with tanged steel insert. Excellent thermal and stress resistance combined with very good adaptability to flange irregularities provides best service in high temperature and stress applications. It is recommended for sealing exhaust air supplies, pipes, intake and exhaust manifolds and exhaust gas recirculation systems in engines, as well as other industrial sealing applications that require high strength and thermal integrity i.e. for transmission flanges and high-pressure pumps.

### Technical data (Typical values for a thickness of 2.0 mm)

(Typical values for a mickness of 2.0 min)				
Density	DIN 28090-2	g/cm <sup>3</sup>	1.75 - 1.95	
Compressibility	ASTM F 36/J	%	15 - 25	
Recovery	ASTM F36/J	%	min 20	
Stress Resistance (50MPa, T=300°C, 16h)	DIN 52913	MPa	min 38	
Stress Resistance (50MPa, T=175°C, 16h)	DIN 52913	MPa	min 40	
Immersion in Oil IRM 903, 5h, 150°C	ASTM F146			
thickness increase		%	max 5	
weight increase		%	max 20	
Immersion in ASTM Fuel B, 5h, 20°C	ASTM F146			
thickness increase		%	max 5	
weight increase		%	max 20	
Specific Leak Rate	DIN 3535/6	mg/(s·m)	max 1.5	
Creep deformation – 50MPa				
• change in thickness at 300°C		%	max 8	
• change in thickness at 450°C		%	max 10	
Maximum continuous temperature		°C	400	
Short-term peak temperature		°C	500	

All information data are based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behavior in gasket joint. The data may not, therefore, be used to support any warranty claims.

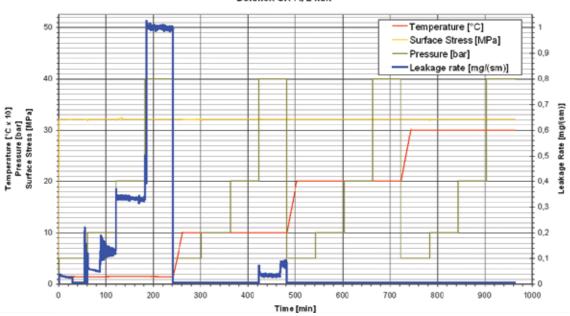
**DONIT TESNIT** d.o.o. Cesta komandanta Staneta 38

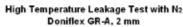
1215 MEDVODE, Slovenija tel: +386 (0)1 582 32 00 fax: +386 (0)1 582 32 06, 582 32 08 E-mail: info@donittesnit.si http://www.donittesnit.si

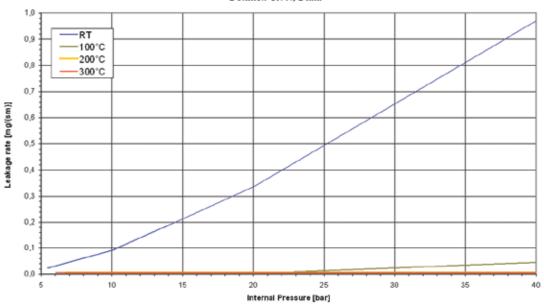


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#### **MEDIA RESISTANCE**

Media resistance chart serves only as a guideline for the selection of material for particular application. Due to the variety of assembly and operating conditions, the data may not be used to support any warranty claims.

AIR	liquid solutions	MALEIC ANHYDRIDE	liquid solutions
	gas	MARLOTHERM	oil, mineral oil products
ALLYL CHLORIDE	liquid solutions	MERCURY	miscellaneous
ALUM	liquid solutions	MERCURY SALTS	liquid solutions
	•		•
ALUMINIUM CHLORIDE	liquid solutions	MINERAL OIL	oil, mineral oil products
ALUMINIUM SULPHATE	liquid solutions	MINERAL OIL	oil, mineral oil products
AMMONIUM PHOSPHATE	liquid solutions	MOTOR OIL	oil, mineral oil products
ANILIN-HYDROCHLORIDE	liquid solutions		
ASPHALT	oil, mineral oil products	NICKEL SALTS	liquid solutions
ASTM OIL NO.1 FUEL	oil, mineral oil products	NITROGEN	gas
ASTM OIL NO.2 FUEL	oil, mineral oil products		
ASTM OIL NO.3C FUEL	oil, mineral oil products	OIL ACID	oil, mineral oil products
ASTM FUEL A	oil, mineral oil products		
ASTM FUEL B	oil, mineral oil products	PARAFFIN	oil, mineral oil products
			•
ASTM FUEL C	oil, mineral oil products	PETROLEUM	oil, mineral oil products
ASTM FUEL D	oil, mineral oil products	PHOTOGRAPHIC EMULSIONS	liquid solutions
AZ 20 (32+125)	oil, mineral oil products	PHTHALIC ANHYDRIDE	liquid solutions
	•	POLYETHYLENE GLYCOL	oil, mineral oil products
BEER	ltandal aduatana	POTASH	-
	liquid solutions		liquid solutions
BENZINE	oil, mineral oil products.	POTASSIUM ALUM	liquid solutions
BITUMEN	oil, mineral oil products	POTASSIUM BROMATE	liquid solutions
BORAX	liquid solutions	POTASSIUM BROMIDE	liquid solutions
	•		•
BRAKE FLUID (GLYCOL BASIS)	oil, mineral oil products	POTASSIUM CARBONATE	liquid solutions
BUTADIENE	oil, mineral oil products	POTASSIUM PHOSPHATE	liquid solutions
BUTENE (BUTYLENE)	oil, mineral oil products	POTASSIUM SALT	liquid solutions
·		POTASSIUM SULPHATE	liquid solutions
CALCILIM CHIODIDE	liquid colutions	PROPYLENE OXIDE	•
CALCIUM CHLORIDE	liquid solutions	PROPTLENE OXIDE	gas
CALCIUM NITRATE	liquid solutions		h et la
CARBON DIOXIDE	gas	SACCHAROSE	liquid solutions
CHLORINE GAS DRY	gas	SALT	liquid solutions
			•
CHROME ALUM	liquid solutions	SANTOTHERM 66	oil, mineral oil products
COCONUT OIL	oil, mineral oil products	SEA WATER	liquid solutions
CONDENSATE WATER	water, steam	SILICONE GRAESE	oil, mineral oil products
COPPER SALT	liquid solutions	SILVER SALT	liquid solutions
COTTER OALI	iiquia sololiolis		•
		SOAP SOLUTION	liquid solutions
DEMINERALIZED WATER	water, steam	SODA	liquid solutions
DEXTRINE	liquid solutions	SODIUM BROMIDE	liquid solutions
DIESEL FUEL	oil, mineral oil products	SODIUM CARBONATE	liquid solutions
	-		•
DIPHYL ( HEAT CARRIER OIL)	oil, mineral oil products	SODIUM CHLORIDE	liquid solutions
		SODIUM DISULPHITE	liquid solutions
ETHYLCELLULOSE	liquid solutions	SODIUM DITHIONITE	liquid solutions
	·	SODIUM FLUORIDE	liquid solutions
EDILLE HUICE	E ST. Le		•
FRUIT JUICE	liquid solutions	SODIUM HYDROGEN-CARBONATE	liquid solutions
FLUE GAS	gas	SODIUM HYDROGEN-SULPHATE	liquid solutions
FURNACE GAS	gas	SODIUM HYDROGEN-SULPHITE	liquid solutions
	, and the second	SODIUM IODIDE	liquid solutions
GEAR OIL	oil, mineral oil products		•
		SODIUM PERBORATE	liquid solutions
GELATIN	liquid solutions	SODIUM PHOSPHATE	liquid solutions
GENERATOR GAS	gas	SODIUM SILICATE	liquid solutions
GLAUBER SALT	liquid solutions	SODIUM SULPHATE	liquid solutions
	liquid solutions		liquid solutions
	·	SODIUM SULPHITE	
GLYCOL	liquid solutions	SODIUM THIOSUPHATE	liquid solutions
GLYCOL	liquid solutions liquid solutions	SODIUM THIOSUPHATE SPINDLE OIL	
GLYCOL	•		liquid solutions
GLYCOL GLUE	liquid solutions	SPINDLE OIL SPIRITS	liquid solutions oil, mineral oil products oil, mineral oil products
GLYCOL GLUE HEAT CARRIER OIL	liquid solutions oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions
GLYCOL GLUE HEAT CARRIER OIL HEPTANE (-n)	liquid solutions oil, mineral oil products oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam
GLYCOL GLUE HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n)	liquid solutions oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions
GLYCOL GLUE HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n)	liquid solutions oil, mineral oil products oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas
GLYCOL GLUE HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER	liquid solutions oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLUCOSE GLYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDROSILIPHITE	liquid solutions oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas
GLYCOL GLUE HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER	liquid solutions oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products
GLYCOL GLUE HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL	liquid solutions oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE	liquid solutions oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  INERT GAS	liquid solutions  oil, mineral oil products  oil, mineral oil products  oil, mineral oil products  water, steam  oil, mineral oil products  liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350 TANNIC ACID TAR	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  INERT GAS  ISOOCTANE	liquid solutions  oil, mineral oil products  oil, mineral oil products  oil, mineral oil products  water, steam  oil, mineral oil products  liquid solutions  gas  oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350 TANNIC ACID TAR TEST BENZINE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  NERT GAS  SOOCTANE	liquid solutions  oil, mineral oil products  oil, mineral oil products  oil, mineral oil products  water, steam  oil, mineral oil products  liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  NERT GAS  SOOCTANE	liquid solutions  oil, mineral oil products  oil, mineral oil products  oil, mineral oil products  water, steam  oil, mineral oil products  liquid solutions  gas  oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350 TANNIC ACID TAR TEST BENZINE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE	liquid solutions  oil, mineral oil products  oil, mineral oil products  oil, mineral oil products  water, steam  oil, mineral oil products  liquid solutions  gas  oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions
GLYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  INERT GAS  SOOCTANE  SOPROPYL ACETATE  KEROSINE FUEL	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE  KEROSINE FUEL  ANOLINE (WOOL GREASE)	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE  KEROSINE FUEL  ANOLINE (WOOL GREASE)	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE  KEROSINE FUEL  ANOLINE (WOOL GREASE) ATEX	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food  oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL VASELINE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE  KEROSINE FUEL  ANOLINE (WOOL GREASE) ATEX AUGHING GAS	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions food oil, disputions food oil, mineral oil products liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE  KEROSINE FUEL  ANOLINE (WOOL GREASE) ATEX AUGHING GAS LIGHTING GAS	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions liquid solutions gas oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT VEGETABLE OILS	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  NERT GAS SOOCTANE SOPROPYL ACETATE  KEROSINE FUEL  ANOLINE (WOOL GREASE) ATEX AUGHING GAS LIGHTING GAS	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions food oil, disputions food oil, mineral oil products liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  INERT GAS  SOOCTANE  SOPROPYL ACETATE  KEROSINE FUEL  LANOLINE (WOOL GREASE)  LATEX  LAUGHING GAS  LICHTING GAS	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions liquid solutions gas oil, mineral oil products	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT VEGETABLE OILS	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HOT WATER  HYDRAULIC OIL  HYDROSULPHITE  INERT GAS  SOOCTANE  SOPROPYL ACETATE  KEROSINE FUEL  LANOLINE (WOOL GREASE)  LATEX  LAUGHING GAS  LIGHTING GAS  LIGHTING GAS  LIGHTUNG GAS  LIGHTUNG GAS  LINKUP MEDIUMS  LINSEED OIL	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food  oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions gas oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT VEGETABLE OILS VINYL CHLORIDE	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products oil, mineral oil products liquid solutions oil, mineral oil products liquid solutions oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HEXANE (-n)  HOT WATER  HYDROSULPHITE  INSERT GAS  ISOOCTANE  ISOPROPYL ACETATE  KEROSINE FUEL  LANOLINE (WOOL GREASE)  LATEX  LAUGHING GAS  LICHTING GAS  LINK UP MEDIUMS  LINK UP MEDIUMS  LINSEED OIL  LITHIUM BROMIDE	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions liquid solutions liquid solutions gas oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE OILS VINYL CHLORIDE  WASCHING AGENT	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL HEPTANE (-n) HEXANE (-n) HOT WATER HYDRAULIC OIL HYDROSULPHITE  INERT GAS ISOOCTANE ISOPROPYL ACETATE  KEROSINE FUEL  LANOLINE (WOOL GREASE) LATEX LAUGHING GAS LICHTING GAS LICHTING GAS LICHTUNG G	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food  oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions gas oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT VEGETABLE OILS VINYL CHLORIDE  WASCHING AGENT WASTE GAS	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GLYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HEXANE (-n)  HOT WATER  HYDROSULPHITE  INSERT GAS  ISOOCTANE  ISOPROPYL ACETATE  KEROSINE FUEL  LANOLINE (WOOL GREASE)  LATEX  LAUGHING GAS  LICHTING GAS  LINK UP MEDIUMS  LINK UP MEDIUMS  LINSEED OIL  LITHIUM BROMIDE	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions liquid solutions liquid solutions gas oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE OILS VINYL CHLORIDE  WASCHING AGENT	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products
GIYCOL GLUE  HEAT CARRIER OIL  HEPTANE (-n)  HEXANE (-n)  HEXANE (-n)  HEXANE (-n)  HOT WATER  HYDROSULPHITE  INSERT GAS  ISSOCTANE  SOPROPYL ACETATE  KEROSINE FUEL  LANOLINE (WOOL GREASE)  LATEX  LAUGHING GAS  LICHTING GAS  LINK UP MEDIUMS  LINK UP MEDIUMS  LINSEED OIL  LITHIUM BROMIDE	liquid solutions  oil, mineral oil products oil, mineral oil products oil, mineral oil products water, steam oil, mineral oil products liquid solutions  gas oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions food oil, mineral oil products liquid solutions liquid solutions liquid solutions gas oil, mineral oil products liquid solutions liquid solutions liquid solutions liquid solutions liquid solutions	SPINDLE OIL SPIRITS STARCH SOLUTION STEAM SULPHUR DIOXIDE SYLTHERM 800 SYNTREL 350  TANNIC ACID TAR TEST BENZINE TETRAETHYL LEAD TRANSFORMER OIL TRI SODIUM PHOSPHATE TURBINE OIL  VASELINE VEGETABLE FAT VEGETABLE OILS VINYL CHLORIDE  WASCHING AGENT WASTE GAS	liquid solutions oil, mineral oil products oil, mineral oil products liquid solutions water, steam gas oil, mineral oil products