



RESEARCH
ANALYSIS
CONSULTING
DEVELOPMENT
MANUFACTURE



EXCELLENCE IN TRIBOPHYSICS SINCE 1951

PROUDLY 100% AUSTRALIAN DEVELOPED, MADE, OWNED & DISTRIBUTED

TRANZ ReleasLubes Release Agents

A complete range for molding and casting processes

- Oils, Solvent Solutions, Water Emulsions, Greases and gels,
- Sprayable, paintable and pumpable
- Some food grade, non-flammable,



ReleasLubricants

Food and Pharmaceutical compliant base oil polydimethylsiloxane of differing viscosities, a complete range for molding and casting processes. Gives Slip, Slide and Glide

PERFORMANCE AREA

Release agents provide the critical barrier between a molding surface and the substrate, facilitating separation of the cured part from the mold. Without such a barrier in place the substrate would become fused to the mold surface, resulting in difficult clean-up and dramatic loss in production efficiency. Field Performance and the release and lubrication effects from their TRANZ Lubricants Division *ReleasLube* range, of ready-to-use aerosol, spraying solutions, emulsions and performance grease-like gels, hold the answers to safe production speed-up and reliability at minimal cost.

From insertion of the smallest seals into their housings, up to assembling the largest complex seals to operate for a Lifetime at elevated temperatures, to manufacture of food and pharmaceutical products, injection molders, vacuum formers, thermo plastics, transfer, compression, pour cast, die cast, and extrusion molding etc. Gives Slip, Slide and Glide, with countless applications on thousands of surfaces.

Used commonly in these areas of industry

Print shops, pharmaceutical manufacture, food industry, plastics and metal die casting, pellet making, automotive service and detailing industries, paper mills, tablet making, tyre manufacture and retreading, home and garage use, freezers and cold storage, white goods manufacture.

TRANZ ReleasLube B SERIES

The four base polymers in TRANZ B Series are each codex and Pharmacopoeia permitted substances in contact with food and pharmaceutical handling equipment, but note that of the differing finished presentations, whilst the active ReleasLube Oils in TRANZ B21 to B24 solutions are approved for food contact, this is ONLY after evaporation of the solvent carrier. The active polymer in TRANZ *ReleasLube1* Aerosol is dissolved in a fast evaporating, non-flammable solvent and is propelled solely by CO₂ so that it safe in incidental food contact and food packaging applications.

TRANZ ReleasLube 500 gram. Aerosol Spray	Non-Flammable, Food and Pharmaceutical Grade
TRANZ ReleasLube Solvent Solutions	B2-1 to B2-5 Grades 5 viscosities. Non-Flammable solvent Food and Pharmaceutical Grade
TRANZ ReleasLube Emulsions	5 different Viscosities (B3-1 to B3-5), water based Food and Pharmaceutical Grade
TRANZ 1113 ReleasLube grease and gels	Simethicone BP/USP Monograph clear Gel Food & pharmaceutical grade
TRANZ 1434 ReleasLube + PTFE Grease	Very High-Performance, High Temperature, white food grade, PTFE grease

TRANZ Release Agents
SPECIALISED TRADE PRODUCTS

TRANZ TRADE NAME	Physical form	Viscosity	Solvent, Oil, water	Functional Temp °C	Comments	Common Areas of use
ReleaseLube	Spray can 500gms of product 0%	Low - medium	Non-Flammable Solvent	-40 to +210	<p>B2-1 as spray Finely atomized mist spray that imparts a silicone film.</p> <p>Sprays at all angles.</p> <p>Non-flammable gas propellant Colorless and non-staining</p> <p>Non-Paintable</p> <p>Clean up with most paint solvents and hydrocarbon</p>	<p>Simethicone BP/USP Monograph clear Gel Food & pharmaceutical grade</p> <p>Foodstuffs - prevents burnt food & spills sticking to stoves, burners & vessels. Tablet making - Mould release Building industry SPRAY to lubricate Wood, Plastic, Metal, Glass, Rubber, Resins, Composites in home & industry. Packaging Machinery including heat sealing jaws, laminators etc. Anti-stick for plastics especially film, adhesives, hotmelts & waxes. Stops ice adhesion. Lubricates Rubbers & Plastics - Seals & valves. Unsticks fittings, threads, taps & locks. Prevents ice adhesion to trays. Guides, forms & doors. Release Agent - Moulding & casting, forming, stamping, extruding of metals, plastics, rubbers, die casting, tableting compressed powders. Machine Knives, Shears & Guillotines - Lubricates, improves cut edges, prevents pick-up & build-up. Printing - Repels offset on cylinders, prevents plate & blanket binding, eases cutting of PSA. Sewing & textiles - Fabric table glides, cools high speed sewing threads, beats friction of needles & thread on heavy fibres, sails, canvas, carpets etc. Conveyers, Accumulation Tables, Chutes, Slats Tables, slip & slide easily, quietly. Wood - Free sticking windows, drawers, slides, curtain tracks. Spray on nails, screws, bolts, drills, saw blades, axes, splitters, especially for working hardwoods. Squeak stopper - Cars, trucks, planes. Silences squeaks between metal/glass/plastic/rubber trim. Instant Gloss & Slows weathering on rubber & plastics, tyres, trim, for car detailing, plastic furniture etc.</p>

TRANZ 1113 ReleasLube	Grease Gel	2	Non-Flammable Solvent	-40 to +200	Simethicone BP/USP Monograph clear Gel Food & pharmaceutical grade Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	
TRANZ 1434 ReleasLube + PTFE	Grease Gel	2	Non-Flammable Solvent	-40 to +250	Very High-Performance, High Temperature, white food grade, PTFE grease Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	ESPECIALLY FOR DIFFICULT STICKY MOLDING

**TRANZ Release Agents
PURE OILS**

TRANZ B1 Series	Physical form	Solids	Viscosity	Functional Temp °C	Comments	Common Areas of use
B1-1	Oil	0%	Low	-40 to +200	Clean up with most paint solvents and hydrocarbon	
B1-2	Oil	0%	Medium	-40 to +200	Clean up with most paint solvents and hydrocarbon	
B1-3	Clear Gel	0%	Med-High	-40 to +200	Simethicone BP/USP Monograph Food & pharmaceutical grade Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	
B1-4	Oil	0%	High	-40 to +200	Clean up with most paint solvents and hydrocarbon	

TRANZ Release Agent B2 Series
SOLVENT SOLUTION

B2 Series	Physical form	Solids	Viscosity	Special characteristics	Functional Temp °C	Comments	Common Areas of use
B2-1	Oily Fluid	35%	Low	Non-Flammable	-40 to +200	Sprayable Food and Pharmaceutical Grade after evaporation of the solvent carrier	
B2-2	Oily Fluid		Med-low	Solvent	-40 to +200	Non-Paintable, Colorless and non-staining	
B2-3	Oily Fluid	35%	Medium	Non-Flammable Solvent	-40 to +200	Food and Pharmaceutical Grade after evaporation of the solvent carrier Non-Paintable, Colorless and non-staining	
B2-4	Oily Fluid	35%	Med-High	Non-Flammable Solvent	-40 to +200	Food and Pharmaceutical Grade after evaporation of the solvent carrier Non-Paintable, Colorless and non-staining	
B2-5	Oily Fluid	35%	High	Non-Flammable Solvent	-40 to +200	Food and Pharmaceutical Grade after evaporation of the solvent carrier Non-Paintable, Colorless and non-staining	

Over...

TRANZ Release Agent B3 Series
WATER EMULSION

B3 Series	Physical form	Solids	Viscosity	Functional Temp °C	Comments	Common Areas of use
B3-1	Water Emulsion	35%	Low	-40 to +200	Food and Pharmaceutical Grade Safe on solvent sensitive plastics Non-Paintable, Colorless and non-staining	
B3-2	Water Emulsion	35%	Med-low	-40 to +200	Food and Pharmaceutical Grade Safe on solvent sensitive plastics Non-Paintable, Colorless and non-staining	
B3-3	Water Emulsion	35%	Medium	-40 to +200	Food and Pharmaceutical Grade Safe on solvent sensitive plastics Non-Paintable, Colorless and non-staining	
B3-4	Water Emulsion	35%	Med-High	-40 to +200	Food and Pharmaceutical Grade Safe on solvent sensitive plastics Non-Paintable, Colorless and non-staining	
B3-5	Water Emulsion	35%	High	-40 to +200	Food and Pharmaceutical Grade Safe on solvent sensitive plastics Non-Paintable, Colorless and non-staining	

Over....

TRANZ Release Agent B4 Series
GREASE-GEL FORMS

B4 Series	Physical form	Solids	Viscosity	Functional Temp °C	Comments	Common Areas of use
B4-1	Gel		Low	-40 to +200	Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	
B4-2	Gel		Medium	-40 to +200	Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	
B4-3	Gel		Med-High	-40 to +200	Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	
B4-4	Gel		High	-40 to +200	Non-Paintable, Colorless and non-staining Clean up with most paint solvents and hydrocarbon	

TRANZ Release Agent B5 Series
GREASE EMULSIONS

B5 Series	Physical form	Solids	Viscosity	Functional Temp °C	Comments	Common Areas of use
B5-1	Grease	35%	Low	-40 to +200	Non-Paintable, Colorless and non-staining	
B5-2	Grease	35%	Medium	-40 to +200	Non-Paintable, Colorless and non-staining	
B5-3	Grease	35%	Med-High	-40 to +200	Non-Paintable, Colorless and non-staining	
B5-4	Grease	35%	High	-40 to +200	Non-Paintable, Colorless and non-staining	

End