



*„We are  
The Release  
Agent People“*

Technical Advanced Group

#### Application ranges

- **GRP**
  - Acrylic resins
  - DCPD resins
  - Epoxi resins
  - Phenolic resins
  - Polyester resins
- **Composite**
- **Polymer**
- **Diecasting**
- **Laminate**
- **Wood products**  
(MDF-OSB-Particle board)
- **Polyurethane**
- **Thermoplastic**
- **Miscellaneous**
- **Rubber**
- **Tires**
- **Glass Bottles**
- **Friction Material**

#### Product types

- **Release Agents**
  - Permanent
  - Semi-Permanent
  - Waterbased
  - Solventbased
  - Internal
- **Release-Wetting Agents**
- **Additives**
- **Anti-Block**
- **Outside Lubes**
- **Batch-Off**
- **Formaldehyde Scavengers**
- **Lubricants**
- **Hardeners**
- **Bladder Coatings**
- **Tire Lubes**
- **Plunger Lubricants**
- **Modifiers**
- **Wetting Agents**
- **Cleaners**
- **Surface Sealers**
- **Flow Promoter**
- **Air Release**
- **Supressing Agent**
- **Coating**
- **Hydraulik Fluid**
- **Pigments**
- **Antidust**
- **Defoamer**
- **Stabilizers**
- **Special products**



#### Sales partners all over the world

- Africa
- Asia
- Australia & New Zealand
- Europe
- Middle East & India
- Middle & South America
- North America (U.S.A. & Canada)
- Russia

Solutions for Die-Casting

## TAG Chemicals – Technical Advanced Group

TAG Chemicals GmbH has been founded in 2003 as a branch of the TAG-Group. Our goal is the development, production and marketing of special chemicals.

Our experience is based on special chemicals, especially the production of all sorts of release agents.

TAG Chemicals has many years of worldwide experience and is proud to have very good relationships to all of its customers.

We attach great importance on research and development to ensure that our customers always receive best possible products.

The base of our company's philosophy is:

- **Supporting our customers with qualified technical service.**
- **Resolving process- & formulation problems.**
- **Permanent improving of our product line by means of constant development and innovations.**

Product technical information and data is based on best information available and does not constitute or imply a warranty or patent infringement of any kind. User is responsible for testing product suitability prior to full operation use.

Release Agent Aluminum	Release Agent Zinc	Release Agent Magnesium	Plunger Lubricant	Anti-Soldering Paste	Hydraulic Fluid	Pastes & Greases
<b>DRW-210</b>	<b>DRW-222</b>	<b>DRW-225</b>	<b>DPL-Series</b>	<b>AS-280</b>	<b>HF-270</b>	<b>LC-290 / PA-260 / CG-265</b>
<ul style="list-style-type: none"> <li>• is a water based release agent and lubricant designed for pressure die casting of aluminum</li> <li>• is in concentrate form, for dilution 1:100</li> <li>• stable product, even when diluted with hard water</li> <li>• excellent lubricating and cooling properties</li> <li>• smooth separation/releasing of castings</li> <li>• provides bright surface appearance</li> </ul>	<ul style="list-style-type: none"> <li>• is a water based release agent and lubricant especially designed for zinc die casting</li> <li>• is in concentrate form, for dilution 1:50</li> <li>• strong release power, even at elevated temp</li> <li>• low consumption – reduces mold fouling – extends tool life before maintenance</li> <li>• stable emulsion in soft and hard water</li> </ul>	<ul style="list-style-type: none"> <li>• is a water based release agent lubricant suitable for pressure die casting of magnesium</li> <li>• is in concentrate form, for dilution 1:100</li> <li>• high release power, excellent performance</li> <li>• low consumption – reduces mold fouling – extends tool life before maintenance</li> <li>• stable emulsion in soft and hard water</li> </ul>	<ul style="list-style-type: none"> <li>• <b>DPL-230:</b> oil based, graphite free for cold-chamber die casting and plunger diameter smaller than 80 mm</li> <li>• <b>DPL-240:</b> oil based, contains graphite for cold-chamber die casting and plunger diameter more than 80 mm</li> <li>• <b>DPL-252 white:</b> pellets, graphite free for cold-chamber die casting and plunger diameter smaller than 80 mm</li> <li>• <b>DPL-252 black:</b> pellets, contains graphite for cold-chamber die casting and plunger diameter more than 80 mm</li> </ul>	<ul style="list-style-type: none"> <li>• is a ready to use high temperature release/lubricant paste for critical areas of dies to prevent metallizing and other adverse effects</li> <li>• is a finely balanced mixture of ingredients which cover hot metal surfaces effectively</li> <li>• creates a very thin, highly-adhesive homogeneous, oily layer</li> </ul>	<ul style="list-style-type: none"> <li>• is a fire resistant HT hydraulic fluid</li> <li>• well balanced formulation of glycols of different chain lengths, water and special additives</li> <li>• latest generation hydraulic fluids</li> <li>• it is non-toxic and biodegradable</li> <li>• good service life for pumps, valves and other components</li> <li>• compatible with most elastomers</li> <li>• can replace mineral oil products easily in most cases</li> </ul>	<ul style="list-style-type: none"> <li>• <b>LC-290</b> is a high temperature paste/ladle coating suitable for up to 1000 °C to prevent soldering and contamination</li> <li>• <b>PA-260:</b> is a silver paste designed for aluminum die casting, giving excellent release if applied in difficult areas of the die</li> <li>• <b>CG-265</b> is a high temperature lubricant and anti-seize compound protecting metal components from corrosion, rust, water, heat and acid. It overcomes galling on assembly and reduces dismantling torque</li> </ul>
<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• water based</li> <li>• easy application</li> <li>• excellent release</li> <li>• reduces mold build-up</li> <li>• perfect finish/appearance of produced parts</li> <li>• good price/performance ratio</li> <li>• eco friendly</li> </ul>	<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• water based</li> <li>• excellent flow properties</li> <li>• smooth release</li> <li>• no built-up</li> <li>• perfect finish/appearance of produced parts</li> <li>• no sludge</li> <li>• eco friendly</li> </ul>	<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• water based</li> <li>• stable product</li> <li>• excellent release</li> <li>• no built-up</li> <li>• perfect finish/appearance of produced parts</li> <li>• eco friendly</li> </ul>	<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• minimize wear of plunger tip/sleeve</li> <li>• increase lifetime</li> <li>• reducing downtime</li> <li>• excellent surface finish of castings</li> <li>• low smoke formation</li> </ul>	<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• economic, versatile and effective</li> <li>• excellent release properties</li> <li>• prevents from metallization</li> <li>• contains no heavy metals</li> <li>• halogen free</li> <li>• polar adhesion properties</li> </ul>	<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• fire resistance</li> <li>• excellent anti-wear properties</li> <li>• corrosion protection</li> <li>• fully water soluble</li> <li>• foam control and good air release</li> <li>• practically unlimited service life</li> </ul>	<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• high temperature lubricant and release</li> <li>• homogenous thin film</li> <li>• excellent wetting and film forming</li> <li>• corrosion protection</li> </ul>
<p><b>Technical Properties:</b></p> <p>Density: 1.0 g/cm<sup>3</sup></p> <p>Color: white</p> <p>pH-Value: 9</p> <p>Solids: 14 %</p>	<p><b>Technical Properties:</b></p> <p>Density: 1.0 g/cm<sup>3</sup></p> <p>Color: white</p> <p>pH-Value: 8</p> <p>Solids: 6 %</p>	<p><b>Technical Properties:</b></p> <p>Density: 1.0 g/cm<sup>3</sup></p> <p>Color: white</p> <p>pH-Value: 8.5</p> <p>Solids: ca 10 %</p>	<p><b>Technical Properties:</b></p> <p>Appearance liquids: brown/black</p> <p>Appearance pellets: white/black</p> <p>Melting Point: approx. 80° C</p> <p>Size: &lt; 1 mm</p>	<p><b>Technical Properties:</b></p> <p>Density: 0.9 g/cm<sup>3</sup></p> <p>Color: black</p>	<p><b>Technical Properties:</b></p> <p>Density: 1.08 g/cm<sup>3</sup></p> <p>Color: clear liquid</p> <p>pH-Value: 7.5</p> <p>Solids: 53 %</p>	<p><b>Technical Properties:</b></p> <p>Appearance: grey/silver/red paste</p> <p>Density: 0.9 and 1.3 g/cm<sup>3</sup> (LC-290)</p>