

## AMOLEA™ AS-300AT

AGC Inc. Chemicals Company

### 1. Introduction

AMOLEA™ AS-300AT is a new solvent developed by AGC, and has an excellent solubility for oils, and an environmentally friendly fluorinated solvent.

### 2. Features

- 1) Excellent solubility for processing oils
- 2) Low Toxicity
- 3) Non-flammable
- 4) Recyclable with distillation
- 5) Ultra low GWP (Global Warming Potential)

### 3. Physical Properties

Physical properties of AS-300AT & AS-300

	Unit	AS-300AT	AS-300	1-BP*1
Boiling Point	[°C]	47	54	71
KB value	[–]	118	48	125
AEL*2 (8h-TWA)	[ppm]	150	250	0.1*3
Flash Point	[°C]	None	None	None
Density (25°C)	[–]	1.28	1.38	1.35
Latent heat of vaporization (b.p.)	[kJ/kg]	261	213	246
GWP (CO2=1, 100yr ITH)	[–]	< 1	< 1	0.31

\*1 : 1-Bromopropane   \*2 : Set by AGC   \*3 : ACGIH recommended value

### 4. Oil solubility

Oil solubility of AS-300AT and AS-300

	AS-300AT	AS-300	1-BP
Machine oil	Soluble	Soluble	Soluble
Press oil	Soluble	Soluble	Soluble
Cutting oil	Soluble	Soluble	Soluble
Anti-rust oil	Soluble	Soluble	Soluble
Refrigerating machine oil	Soluble	Soluble	Soluble
Silicone oil	Soluble	Soluble	Soluble
Asphalt	Soluble	Insoluble	Soluble

### 5. Material compatibility

AMOLEA™ AS-300AT does not affect for various kind of metals. On the other hand, AS-300AT tends to have a large effect on general purpose plastics, and be swelled for elastomers. So, it is advisable to recheck critical components under use condition before a final commitment is made to AS-300AT.

- When using the AMOLEA™ AS-300AT, recommended handling procedures are provided SDS (Safety Data Sheet).
- The data described in this document are measured values or literature values.
- This document is subject to change without notice.