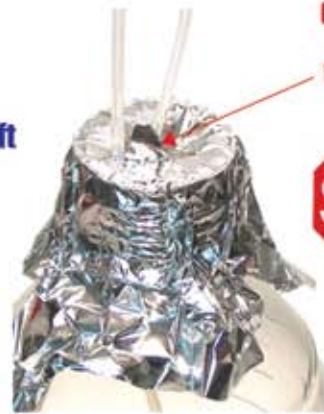


ATTENTION: HEALTH AND SAFETY OFFICERS



Make-Shift
Cap



Gases escaping
into the air
that you breath



Typical Health and Safety regulations specify maximum exposure levels for hazardous substances. They also specify a duty to take reasonable measures to minimize employee's exposure to hazardous substances, even when exposure is below the regulated maximum. Engineering, hygiene and work practices are the preferred methods of limiting exposure to hazards. Personal protective equipment is generally relegated to short-term use in emergencies, when normal controls are temporarily out of order, or if no other control is possible.

NEW BEST PRACTICES FROM . . .



SCAT Safety Cap



SCAT Safety Caps and Safety Waste Caps for Safe Solvent Handling

- Airtight seal between container and caps
- Valves and filters equalize pressure in containers, but trap solvent vapours
- Simple automatic operation. Safety features will not be disabled or forgotten
- No power needed. Unlike forced ventilation, SCAT caps protect when the power goes out
- Passive "Pop-up" indicators on waste containers help to prevent spills

Use SCAT Caps for:

- Solvent reservoirs for HPLC automated systems
- Bulk waste solvent carboys or jerricans
- Batch waste collection from off-line processes
- Safe filling of barrels
- Continuous waste collection from automated processes or analyses



CHROMATOGRAPHIC SPECIALTIES INC.

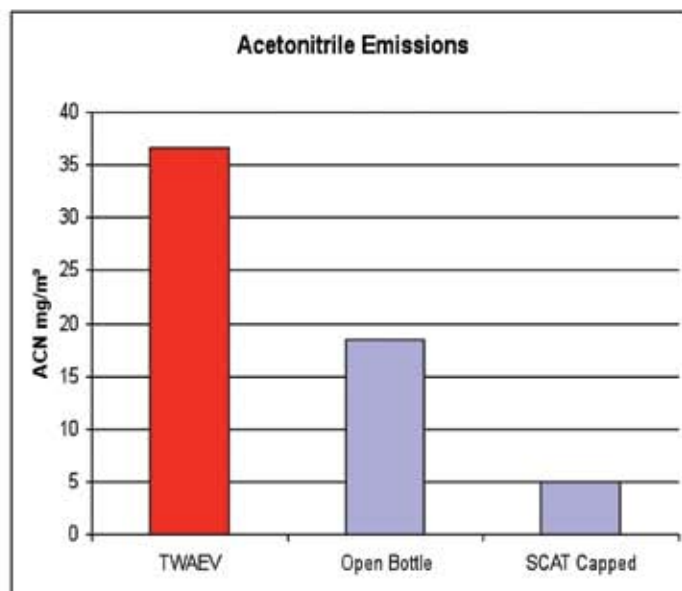
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SCAT Waste Caps



Typical Exposure Limits For Some Common Laboratory Solvents*

Substance	TWAEV		STEV		CEV	
	ppm (v)	mg/m ³	ppm (v)	mg/m ³	ppm (v)	mg/m ³
Acetone	500	-	750	-	-	-
Acetic Acid	10	25	15	37	-	-
Acetonitrile	20	-	-	-	-	-
<i>n</i> -Butanol (Butanol)	20	-	-	-	-	-
Cyclohexane	100	-	-	-	-	-
Dichloromethane (Methylene chloride)	50	175	-	-	-	-
Ethanol	1,000	1,900	-	-	-	-
Ethyl acetate	400	1,440	-	-	-	-
Formaldehyde	-	-	1.0	-	1.5	-
<i>n</i> -Heptane (Heptane)	400	1,635	500	2,045	-	-
<i>n</i> -Hexane	50	176	-	-	-	-
Isopropyl alcohol	200	-	400	-	-	-
Methanol	200	260	250	325	-	-
Methyl tert-butyl ether (MTBE)	40	-	-	-	-	-
Tetrahydrofuran	200	590	250	735	-	-



Comparison of Acetonitrile emissions from an HPLC without solvent vapour control to Ontario TWAEV (20ppm = 36.6mg/m³) and HPLC with SCAT caps. Emission data measured by independent accredited testing facility.

* Solvents in Ontario (OH&S Act, Reg 833, Schedule 1). Check for local regulations in other jurisdictions.

TWAEV – Time, Weighted, Average, Exposure Value
 STEV – Short Term Exposure Value
 CEV – Ceiling Exposure Value



SCAT Literature



SCAT Main Catalogue
Literature Code SCAT01



Safety Caps - Available In
Self-Extinguishing Material
Literature Code SCT02

To request your copies, please contact the Chromatographic Specialties Inc. Customer Service Team at 1-800-267-8103 or email sales@chromspec.com. Please reference the literature code.