

## PolarZone™ Heavy Duty SCA Precharged Antifreeze/Coolant

### Heavy Duty and Fleet Applications

#### Description

PolarZone™ Heavy Duty SCA Precharged Antifreeze/Coolant is a premium quality IAT (Inorganic Acid Technology), borate-based with nitrites, product designed for use in heavy duty diesel engines. Pre-charged with a high-quality Supplemental Coolant Additive (SCA), there is no need to add additional SCA at initial fill or when topping off to compensate for SCA dilution. This product is compatible with SCA chemical filters.

PolarZone™ Heavy Duty SCA Precharged Antifreeze/Coolant has a carefully balanced phosphate-free, low-silicate additive package that affords corrosion protection for cast iron, steel, solder, copper and brass. This product can provide a service life of 800,000kms (500,000 miles) when properly maintained in accordance with engine manufactures maintenance recommendations. For heavy duty applications add SCA's every 48,300kms (30,000 miles).

#### Advantages

- Fully-formulated; does NOT require initial charge of SCA
- Provides excellent cavitation-erosion and corrosion protection
- Does NOT contain phosphates
- Compatible with most major brands of conventional antifreeze

#### Applications

Mixed fleet and heavy duty diesel engines

#### Meets or Exceeds

- ASTM D6210, D4985, D3306

#### Suitable / Recommended for

- ALL MAKES/MODELS PRE-1989
- AS/NZS 2108.2004 Type A
- CASE MS1710
- CATERPILLAR (other than EC-1)
- CHRYSLER MS-7170 Section A & B 1-4
- CHRYSLER: ALL PRE-2000
- CID A-A 52624A
- CNH EG-3, EG-4
- CUMMINS CES 14603, 90T8-4
- DETROIT DIESEL 7SE298, 93K217
- EMD M.I. 1748E
- FORD ESE-M97B44-A, C
- FORD: ALL PRE-2002
- FORD NEW HOLLAND 9-86
- FREIGHTLINER 48-22880
- GB 29743-2013
- GCA A-A-52624
- GM 6038M, 6043M, 1825M, 1899M
- GM: ALL PRE-1995
- GM HEAVY TRUCK
- INTERNATIONAL
- INTERNATIONAL TRUCK & ENGINE CEMS B-1
- ITE/Navistar MPAPS B-1 TYPE I, II
- JOHN DEERE H24, H24A1, 8650-5
- KENWORTH RO26-170-97
- MACK
- MTU MTL 5048
- NAVISTAR
- NEW HOLLAND WSN-M97B18-D
- PACCAR
- TMC RP 329A, 329B, 302A/B/C
- THERMO-KING
- US FED A-A870-A
- VOLVO GM
- VOLVO HEAVY TRUCK
- VOLVO / MACK
- WAUKESHA 4-1974D

## Typical Characteristics - Nemco PolarZone™ Heavy Duty SCA Precharged Antifreeze/Coolant

Properties	Method	Performance	
		SCA Conc.	SCA 50:50
Colour	Appearance	Green	
Specific gravity, 20°C (°F)	Internal	1.112	1.070
pH	ASTM D1287	10.5 - 11	10 - 10.5
Freeze point, °C(°F)	ASTM D3321	-16(3.2)	-37(-34.6)
Boiling point, °C(°F)	ASTM D3321	168(335)	106(223)
Glycol Content %	ASTM D3321	≥96	≥48

These characteristics are typical of current production, variations in these characteristics may occur.

### Availability and product codes

Pack size	4x4L case	20L pail	205L drum	1,000 Tote/Bulk
SCA Conc.	AEAFZ0001	AEAFZ0046	AEAFZ0002	Special Order
SCA 50:50	AEAFZ0009	AEAFZ0047	AEAFZ0071	
Availability	To order, contact us toll free 855-755-6737 or at orderdesk@nemco.ca			

### Use and Storage

Coolant concentrate should be diluted prior to use. For best performance it is recommended coolant concentrate be premixed with distilled, deionized, or demineralized water. Dilution should not fall below a 40:60 (coolant/water) ratio at initial fill. Always check your vehicle manufacturer's specifications for coolant use. Coolant typically has a shelf life of 5 years under ideal storage conditions; keep packages closed while not in use, store in a cool and dry area.

### Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under the Safety Data Sheets. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). This material

is WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used glycol to an authorized collection point. Avoid discharge into drains, soil, or water. As with any chemical, keep out of reach of children and animals.

### Quality

Nemco works with respected industry suppliers for coolant additives and our ethylene glycol meets ASTM E1177. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your local sales representative.