

Delivering Global
Performance Solutions
since 1982



✓ **KEEPS WEAR IN CHECK**

MEGALENE

Gas System Treatment – New, Highly Concentrated formula with METALON



PACKAGING

- > 12 x 250 ml
- > 12 x 1 Litre
- > 4 Litre
- > 4 x 4 Litre
- > 20 Litre (Pail)
- > 205 Litre (Drum)

VCH Ventures

Authorized Dealer in Metalon Products

4787 – 68TH Ave. SE
Calgary, Alberta, T2C 5C1
Phone: 403.816.2408
Fax: 403.255.0374

Metalon Products

A div. of Professional Products of Canada Inc.

2624 Royal Windsor Drive, Unit 7
Mississauga, Ontario, L5J 1K7
Phone: 905.855.4826
Fax: 905.855.9900

Richard Distefano

President / CEO Metalon Products

5205 Blue Stem Court
Raleigh, North Carolina, 27606
Phone: 919.834.9444
Fax: 866.448.1421

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Gas System Treatment – New, Highly Concentrated formula with METALON

INFORMATION and ASTM/ENGINEERING DATA

MEGALENE GAS SYSTEM TREATMENT, now with **METALON**, is a new and improved hydrocarbon complex that incorporates components which are ashless, non-phosphorous and perform as multi-functional detergents and dispersants. In addition, **METALON** bonds chemically with the metal component molecules, forming a microscopic, monomolecular friction reducing, wear resistant shield that **will not drain off**. The **burnishing action** of **METALON** produces a more precise metal-to-metal fit that increases component life. The efficiency of the critical fuel injectors is substantially enhanced, maintaining consistent spray patterns and accurate fuel metering. Upper cylinder components are lubricated. Supplementary to the data below, the proprietary components **exceed** the Military Specifications MIL-I-25017B and MIL-I-25017C, providing excellent rust protection in all grades of gasoline

Extensive engine tests were conducted on 250 CID, 216 CID straight six-cylinder engines as well as 350 CIDV-8 and 140 CID four-cylinder engines. Positive results in carburetor and fuel injector detergency, anti-icing, intake valve deposit cycling and octane requirement tests were achieved, respectively.

MEGALENE GAS SYSTEM TREATMENT with **METALON**, can be added to all gasoline's used in internal combustion engines. It is compatible with Catalytic Converters.

MEGALENE GAS SYSTEM TREATMENT exclusive formulation, used consistently as recommended, helps to:

- > LUBRICATE THE UPPER CYLINDER COMPONENTS
- > MAINTAIN OPTIMUM CARBURETOR AND FUEL INJECTOR PERFORMANCE
- > CLEAN VARNISH AND GUM RESIDUES THROUGHOUT THE FUEL SYSTEM
- > NEUTRALIZE ACIDS
- > IMPROVE COLD WEATHER STARTS
- > ENHANCE COMBUSTION
- > CLEAN PVC SYSTEM
- > PREVENT FUEL SYSTEM ICING
- > MAINTAIN EMISSION CONTROL SYSTEMS EFFICIENCY
- > CONTROL CONDENSATION
- > ELIMINATE CARBON DEPOSITS
- > REDUCE SLUDGE FORMATION
- > IMPROVE ECONOMY
- > FREE STICKY VALVES
- > PREVENT ENGINE "RUN-ON"
- > ARREST RUST AND CORROSION

RECOMMENDATIONS: MEGALENE GAS SYSTEM TREATMENT highly-concentrated formula is very cost-effective. For the first 200 litres (≈50 U.S. gallons) of gasoline, add **20 mL (≈.75 oz.)** to every **40L (≈10 gal.)** (For rapid results, slowly pour **50 mL** directly into the carburetor with the engine at **fast idle**.) Regularly add **10 mL** for every **40 litres**.

CAUTION: MEGALENE is flammable. Keep away from open flame or spark. it contains petroleum distillates. If swallowed, **DO NOT** induce vomiting. Call a physician immediately.

INSPECTION DATA:

(According to ASTM Specifications)

<u>DESCRIPTION</u>	<u>ASTM METHOD</u>	<u>TEST RESULTS</u>
Specific Gravity @ 60 °F	D-1298	0.8454
Appearance	D-1500	Clear
Flash Point °F (°C) (Closed Cup)	D-93	68 (20)
Pour Point °F (°C)	D-97	-55 (-48)
Viscosity, SUS @ 100 °F (40 °C)	D-88	40.0 (4.25 cSt)
Corrosion Test, Copper strip @ 212 °F (100 °C)	D-139	1a – Pass

NOTE: The information and data presented herein are based on tests, reports and research we believe to be accurate and reliable. The information and data are provided without warranty, guarantee or liability on our part and are therefore, provided to customers for their own investigation, verification and consideration.

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A1:	Company Identification				
METALON PRODUCTS – A division of Professional Products of Canada Inc. 2624 Royal Windsor Drive, Unit 7, Mississauga, Ontario, L5J 1K7 Fax: (905) 855-9900 Tel: (905) 855-4826 Emergency No. (613) 996-6666					
A2:	Chemical Product				
MEGALENE GAS SYSTEM TREATMENT					
PRODUCT NAME	MEGALENE				
CHEMICAL FORMULA	HYDROCARBON COMPLEX, LUBRICANT/CLEANER				
PRODUCT FAMILY	SOLVENT/DETERGENT, LUBRICANT				
MATERIAL USE	ADDITIVE, GASOLINE SYSTEM TREATMENT				
T.D.G. CLASSIFICATION	FLAMMABLE LIQUIDS, N.O.S.; (UN/PIN 1993); (CLASS 3.0), (P.G. II)				
B:	Composition/Information on Ingredients			C: Hazards Identification	
Hazardous Ingredients	%	T.L.V.	C.A.S. #	LD/50 Route, Species	LC/50 Route, Species
HYDRO-TREATED LIGHT DISTILLATE	10-40	300 ppm	64742-47-8	8000 mg/kg, ORAL-RAT	>2500 ppm/4H INH-RAT
ISOPROPYL ALCOHOL	5-20	400 PPM	67-63-0	5045 mg/kg RAT, ORAL	22,640 PPM/44 CALC, RAT
NAPHTHENIC OIL, NOT REGULATED	30-50	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
CHLORO ALKANES	10-20	5 mg/m3	63449-39-8	>4 g/kg ORAL	NOT AVAILABLE
D:	First Aid Measures				
SKIN CONTACT	WASH AFFECTED AREA, REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, CONSULT A DOCTOR.				
EYE CONTACT	FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES; GET MEDICAL ATTENTION.				
INHALATION	REMOVE VICTIM TO FRESH AIR. IF VICTIM IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION IMMEDIATELY. GET IMMEDIATE MEDICAL ATTENTION.				
INGESTION	DILUTE WITH LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.				
E:	Fire Fighting Measures				
FLAMMABILITY IF YES, UNDER WHICH CONDITIONS? MEANS OF EXTINGUISHING? SPECIAL PROCEDURES	FLAMMABLE MUST BE EXCESSIVELY HEATED BEFORE IGNITION WILL OCCUR. WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM KEEP STORAGE CONTAINERS COOL IN FIRE VICINITY FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING				
FLASH POINT °C (°F)	21.3 °C (70.3 °F)				
AUTO IGNITION TEMPERATURE	NOT AVAILABLE				
UPPER EXPLOSION LIMIT	11.98 VOLUME %				
LOWER EXPLOSION LIMIT	2.04 VOLUME %				
HAZARDOUS COMBUSTION PRODUCTS	OXIDES OF CARBON				
SENSITIVITY TO STATIC DISCHARGE	YES				
SENSITIVITY TO IMPACT	NO, NOT UNDER NORMAL HANDLING CONDITIONS				
F:	Accidental Release Measures				
LEAK/SPILL	SMALL SPILLS: STOP FLOW, CONTAIN MATERIAL, COLLECT IN PROPER CONTAINERS. REMOVE ALL SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION.				
G:	Handling and Storage				
HANDLING PROCEDURES & EQUIPMENT	HANDLE AN OPEN CONTAINER WITH CARE. HANDLE AWAY FROM ALL SOURCES OF IGNITION. AVOID SMOKING. KEEP CONTAINER CLOSED.				
STORAGE NEEDS	KEEP AWAY FROM HEAT AND FLAME. KEEP FROM FREEZING. STORE AT ROOM TEMPERATURE IN WELL VENTILATED AREA.				
H:	Exposure Controls / Personal Protection				
PROTECTIVE EQUIPMENT	WEAR NEOPRENE GLOVES IF DIRECT CONTACT IS LIKELY				
GLOVES/TYPE	WEARING OF NIOSH MASK APPROVED FOR ORGANIC VAPORS OR (SCBA), IF APPROPRIATE				
RESPIRATORY/TYPE	SPLASH-PROOF SAFETY GOGGLES				
EYE/TYPE	SAFETY BOOTS PER LOCAL REQUIREMENTS				
FOOTWEAR/TYPE	WEAR ADEQUATE PROTECTIVE CLOTHES				
CLOTHING/TYPE	EMERGENCY SHOWER AND EYE WASH STATION SHOULD BE IN CLOSE PROXIMITY TO WORK AREA				
OTHER/TYPE	LOCAL EXHAUST AT POINTS OF EMISSION				
ENGINEERING CONTROLS					

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A2:	Chemical Product		
MEGALENE GAS SYSTEM TREATMENT			
I:	Physical and Chemical Properties		
PHYSICAL STATE	LIQUID	EVAPORATION RATE	0.2 (n-BUTYL ACETATE = 1)
ODOR/APPEARANCE	MILD ODOR/AMBER, CLEAR	FREEZING POINT	NOT AVAILABLE
ODOR THRESHOLD	NOT AVAILABLE	SPECIFIC GRAVITY	0.84
VAPOR DENSITY (AIR=1)	NOT AVAILABLE	ph	NOT AVAILABLE
VAPOR PRESSURE	NOT AVAILABLE	BOILING POINT	106 °C
VOLATILES: % BY VOLUME	NOT AVAILABLE	SOLUBILITY IN WATER (20 °C)	PARTIALLY SOLUBLE
% BY WEIGHT	NOT AVAILABLE	COEFFICIENT WATER/OIL DIST	NOT AVAILABLE
J:	Stability and Reactivity		
CHEMICAL STABILITY	YES	PRODUCT IS STABLE	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
COMPATIBILITY WITH OTHER SUBSTANCES	NO	WHICH CONDITIONS?	
REACTIVITY, WHAT CONDITIONS?	YES	WHICH PRODUCTS?	STRONG OXIDIZERS AND REDUCING AGENTS
HAZARDOUS PRODUCTS OF DECOMPOSITION	NO	EXCESSIVE HEAT, STRONG OXIDIZERS, ACIDS AND BASES	OXIDES OF CARBON.
K:	Toxicological Information		
ROUTE OF ENTRY:	POSSIBLE IRRITATION		
SKIN CONTACT	LOW ORDER OF TOXICITY		
SKIN ABSORPTION	IRRITATION		
EYE CONTACT	VAPORS MAY CAUSE RESPIRATORY TRACT IRRITATION, NAUSEA, HEADACHE AND DIZZINESS.		
INHALATION	MAY CAUSE NAUSEA, VOMITING, DIARRHEA, CENTRAL NERVOUS SYSTEM DEPRESSION.		
INGESTION	CONJUNCTIVITIS, TRACHEITIS, DERMATITIS, NARCOSIS.		
EFFECTS OF CHRONIC EXPOSURE	NO EVIDENCE OF ADVERSE EFFECTS		
EFFECTS OF ACUTE EXPOSURE	SEE SECTIONS (B) & (C)		
LD/50 OF MATERIAL, SPECIES & ROUTE	SEE SECTIONS (B) & (C)		
LC/50 OF MATERIAL, SPECIES & ROUTE	SEE SECTIONS (B) & (C)		
EXPOSURE LIMIT OF MATERIAL	SEE EFFECTS OF ACUTE EXPOSURE, SEE ROUTE OF ENTRY		
IRRITATION CAUSED BY MATERIAL	IN SUSCEPTIBLE INDIVIDUALS		
SENSITIZING CAPABILITY OF MATERIAL	NONE KNOWN		
CARCINOGENICITY OF MATERIAL	NONE KNOWN		
REPRODUCTIVE EFFECTS	NONE KNOWN		
MUTAGENICITY	NONE KNOWN		
TERATOGENICITY	NONE KNOWN		
SYNERGISTIC MATERIALS	NONE KNOWN		
L:	Ecological Information		
LEAK/SPILL	LARGE SPILLS:	PREVENT RUN-OFF INTO DRAINS, SEWERS AND WATERWAYS. WEAR PROTECTIVE EQUIPMENT TO PROTECT AGAINST HAZARDS & DISPOSE AS PER APPROVED LOCAL WASTE DISPOSAL METHOD. FOLLOW INSTRUCTIONS FOR SMALL SPILLS	
M:	Disposal Considerations		
WASTE DISPOSAL, METHOD & EQUIPMENT	IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.		
N:	Transport Information		
T.D.G. CLASSIFICATION: FLAMMABLE LIQUIDS, N.O.S.; (UN/PIN 1993); (CLASS 3.0), (P.G. II) PROTECT AGAINST PHYSICAL DAMAGE.			
O:	Regulatory Information		
THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.			
P:	Other Information		
NOTE: This information and data are based on tests, reports and research we believe to be accurate and reliable. It is provided herein without warranty, guarantee or liability on our part, and are therefore provided to customers for their own investigation, verification and consideration.			