



MATERIAL SAFETY DATA SHEET

MEGA POWER # 6 RADIATOR STOP LEAK

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mega Power #6 Radiator Stop Leak

SYNONYMS: Antifreeze additive solution

PRODUCT CODE: 20556-006

PRODUCT USE: Water-based additive for engine cooling systems

MANUFACTURER'S NAME: Mega Power

ADDRESS: 8565-A Somerset Drive
Largo, FL 33773

EMERGENCY TELEPHONE NUMBER: **UNITED STATES:** 1 800 633 8253
These numbers are for emergency use only. **INTERNATIONAL:** 1 801 629 0667
If you desire non-emergency product information,
please call phone number listed below.

CUSTOMER SERVICE: 813-855-6664

MSDS FORM NUMBER: 20556-006

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE

Green liquid, odorless or slight musty odor

CAUTION!

HEALTH HAZARDS

Corrosive to eyes, skin, and digestive tract.

Product may be destructive to eye tissue on contact.

Swallowing can cause severe burns and tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.

Toxic if swallowed.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 19010.1200).

POTENTIAL HEALTH EFFECTS

TARGET ORGANS: None known.



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INHALATION (BREATHING): Airborne concentrations of mist or spray are corrosive to the upper respiratory tract and even to lung tissue. Vapor/fumes are not generated at significant levels until temperature is elevated.

EYES: Corrosive. Product causes eye burns; destructive to eye tissue on contact.

SKIN: Corrosive. Product may be destructive to tissues contacted and produce severe burns. The severity of damage and extent of irreversibility increases with length of contact time.

INGESTION (SWALLOWING): Toxic if swallowed. Corrosive. Swallowing causes severe burns and tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye and/or skin disorders may have increased susceptibility to the effects of exposure.

EFFECTS OF OVEREXPOSURE: No known chronic hazards.

POTENTIAL ENVIRONMENTAL EFFECTS: Release into surface water may be harmful to aquatic life.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Wt. Percent	Component	Synonym	CAS #
0 - 90	Deionized Water	Not Available	7732-18-5
5 - 15	Sodium Nitrite	Not Available	7632-00-0
5 - 15	Sodium Metasilicate	Silicic acid, disodium salt; Disodium trioxosilicate Sodium Silicates	6834-92-0

SECTION 4: FIRST AID MEASURES

INHALATION (BREATHING): Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulty persists.

EYE: Upon contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. Get medical attention.



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SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention immediately. Wash clothing and clean shoes before reuse.

**INGESTION:
(SWALLOWING)** Toxic if swallowed. Do not induce vomiting. Seek medical attention. Do not give anything by mouth if individual is drowsy or unconscious, place individual on left side with head down. Do not leave individual unattended.

**NOTE TO
PHYSICIANS:** Sodium nitrite forms methemoglobin in the blood stream. Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED): None detected (Pensky Martens)

FLAMMABLE LIMITS IN AIR: Lower: Not Applicable Upper: Not Applicable

**AUTOIGNITION
TEMPERATURE:** Not available

**HAZARDOUS COMBUSTION
PRODUCTS:** If product is involved in a fire the following decomposition products may be generated: Carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen cyanide (possible in reducing atmospheres).

**CONDITIONS OF
FLAMMABILITY:** Not flammable. A Component (Sodium Nitrite) of product is an oxidizing agent and will support combustion of other materials.

EXTINGUISHING MEDIA: Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

**UNSUITABLE
EXTINGUISHING
MEDIA:** DO NOT use dry chemicals containing ammonium phosphate.

HAZARD RATING

0= LEAST
1= SLIGHT
2= MODERATE
3= HIGH
4= EXTREME

NFPA 704 HAZARD IDENTIFICATION

HEALTH HAZARD (BLUE)	2
FIRE HAZARD (RED)	0
REACTIVITY (YELLOW)	0
SPECIFIC HAZARD (WHITE)	

**PROTECTIVE EQUIPMENT
FOR FIRE FIGHTERS:** Because fire may product toxic thermal decomposition, wear a positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.



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FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. Do not release runoff from fire control methods to sewers or waterways.

FIRE AND EXPLOSION HAZARDS: Closed containers may rupture or explode due to steam pressure build-up when exposed to extreme heat. "Empty" containers may retain residue and can be dangerous.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with a suitable inert material (sand, earth, clay, etc.) and place in an appropriated chemical waste container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. Follow applicable Federal, State and Local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing and shoes.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Empty product containers may retain residue and can be dangerous.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: No respiratory protection is normally required. Use NIOSH-certified respiratory devices when concentration of the vapor or mist exceeds applicable exposure limits. Selection and use of respiratory protective equipment should be in



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accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles and a full face shield (*when the danger of splashing exists*). Wearing contact lenses is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear chemical-impervious protective gloves, rubber apron or similar protective clothing.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, using tobacco products, using the toilet, or applying cosmetics. Avoid contact with skin, eyes and clothing. Clean affected clothing, shoes, and protective equipment before reuse. Discard leather articles, such as shoes, saturated with this product.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or using this product should be equipped with emergency eyewash and shower, both equipped with clean water, in the immediate work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE	Liquid, green
ODOR:	Odorless or slight musty odor
ODOR THRESHOLD:	Not available
MOLECULAR WEIGHT:	Not applicable
SPECIFIC GRAVITY:	0.988 (water=1) (approximately)
VAPOR DENSITY:	No information available for this product.
VAPOR PRESSURE:	NIL
RELATIVE DENSITY:	1.01-1.09 g/cm ³ at 60°F (15.5°C)
BOILING POINT:	210-220°F (760 mm HG)
BOILING RANGE	Not available
FREEZING/MELTING POINT:	Not available
pH:	Not available. (Component: Sodium Metasilicate listed pH: 14)
EVAPORATION RATE:	<1 (butyl acetate = 1)



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SOLUBILITY IN WATER: Not available.

FLASH POINT: None detected (Pensky Martens)

FLAMMABILITY: Not applicable

FLAMMABLE LIMITS IN AIR: **LOWER:** Not applicable **UPPER:** Not applicable

AUTOIGNITION TEMPERATURE: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

INCOMPATIBILITY: Metal nitrates (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate. Strong oxidizers and alkalis. Will corrode iron, copper, zinc, aluminum and their alloys. Product may generate heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

CONDITIONS TO AVOID: Flames, ignition sources and contact with incompatible substances.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. Also see **Section 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin, Eyes, Ingestion, and Inhalation.

EYE EFFECTS: Destructive to eye tissue on contact.

SKIN EFFECTS: Destructive to tissues contacted and produces severe burns. The severity of damage and extent of irreversibility increases with length of contact time.

ACUTE INHALATION EFFECTS: Airborne concentrations of mist or spray are corrosive to the upper respiratory and even to lung tissue. Vapor/fumes are not generated significant levels until temperature is elevated.

ACUTE ORAL EFFECTS: Toxic if swallowed. Corrosive. Swallowing causes severe burns and perforation of mucous membranes of the mouth, throat, esophagus ; stomach.



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CHRONIC EFFECTS: None known.

MUTAGENICITY: No information available for this product.

CARCINOGENICITY Based on best current information, there is no known carcinogenicity as regulated by OSHA; as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1 Group 2A, or Group 2B agents as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

REPRODUCTIVE TOXICITY: No information available for this product.

TERATOGENICITY: No information available for this product.

NEUROTOXICITY: No information available for this product.

COMPONENT INFORMATION

Sodium Nitrite

Oral, rat: LD50 = 180 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Product may be toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Component Analysis – Ecotoxicity – Aquatic Toxicity

Sodium Nitrite (7632-00-0)

Test & Species

96 Hr LC50 rainbow trout (juvenile): 0.19 mg/L (flow-through)

96 Hr LC50 FISH: 0.56 – 1.78 mg/l

48 Hr EC50 DAPHNIA: 12.5 – 100 mg/l

Sodium Silicate (100% solids)

Test & Species

96 Hr Medium Tolerance for fish (*Gambusia affinis*) = 2320 ppm

96 Hr Medium Tolerance for water fleas (*Daphnia magna*) = 247 ppm

96 Hr Medium Tolerance for Amphipoda = 160 ppm.

PERSISTENCE/ DEGRADABILITY: No information available for this product.

BIOACCUMULATIVE POTENTIAL: No information available for the product.

MOBILITY IN ENVIRONMENTAL MEDIA: Not available.



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OTHER ADVERSE EFFECTS: Not available.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

PERCENT VOLATILE BY VOLUME: NIL

AQUATIC RELEASE: Advise authorities if product has entered or may enter watercourses or sewer drains.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste.

USEPA WASTE CODES: This product, if discarded, may be classified as hazardous waste and subject to manifesting requirements through applicable regulatory agency.

SECTION 14: TRANSPORT INFORMATION

The descriptions shown may not apply to all shipping situations. Consult 49CFR or appropriate Dangerous Goods Regulations, for additional description requirements (e.g. technical name) and mode specific or quantity specific (packaged) shipping requirements.

SODIUM NITRITE

Proper Shipping Name: Sodium Nitrite
US DOT Hazard Class: 5.1 Oxidizer (6.1 Toxic subsidiary risk)
US DOT ID Number: UN1500
Packaging Group: III

SODIUM METASILICATE

Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, n.o.s. (Contains Sodium Metasilicate)
US DOT Hazard Class: 8 Corrosive
US DOT ID Number: UN3266
Packaging Group: II



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SECTION 15: REGULATORY INFORMATION

SARA SECTIONS 302, 304 Based on the ingredients listed in **SECTION 3**, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA SECTIONS 311 AND 312 REPORTING This product poses the following health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	No
Physical Fire	No
Physical Sudden Release of Pressure	No
Physical Reactive	No

SARA SECTION 313 This product contains the follow chemical(s) subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

Sodium Nitrite 5 – 15%

RQ (REPORTABLE QUANTITY) **CERCLA:** Sodium nitrite 100 lbs. (45.4 kg).

TSCA: All components listed in **SECTION 3** are listed on, or are exempted from the requirements.

STATE REGULATIONS

Sodium Nitrite

On New York release reporting list, Pennsylvania RTK, Massachusetts RTK, New Jersey RTK and California Director's List of Hazardous Substances.

SECTION 16: OTHER INFORMATION

DATE ISSUED: October 9, 2013

SUPERSEDES: April 29, 2011

REVISION NO. 2

REVISION INFORMATION: Revised Section 1

LABEL/OTHER INFORMATION: Not available.



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