

SAFETY DATA SHEET

U.S. HazCom GHS Format



Date Prepared : 06/30/2015

MSDS No : TAF-RS510

TAF Radiator Flush**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: TAF Radiator Flush
GENERAL USE: Cleaning Agent
PRODUCT DESCRIPTION: Cleaner
PRODUCT CODE: RS-510
PRODUCT FORMULATION NAME: Radiator Flush
GENERIC NAME: Radiator Flush

MANUFACTURER

SMB International, LLC
 121 Highway 36
 STE 180
 West Long Branch, NJ 07764
Emergency Contact: Responder (ESP Consulting LLC)
Emergency Phone: 1-877-756-4666
Customer Service: 732-222-4888
Transportation: 732-222-4888 Ext.100
E-Mail: msds@smbinternational.com

DISTRIBUTOR

KENVO TECHNOLOGY, INC
 TENARANA AUTOMOTIVE FLUIDS
 11543 160ST NW
 CANADA
 EDMONTON, AB T5M 3V9
Emergency Contact: Alyssa Fowler
Customer Service: 1-520-560-4766
E-Mail: alyssa@kenvo.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CANUTEC (Canadian Transportation) : (613) 996-6666
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION**GHS CLASSIFICATIONS****Health:**

Eye Irritation, Category 1
 Eye Corrosion, Category 1

GHS LABEL

Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor/...

Storage:

P102: Keep out of reach of children.

P103: Read label before use.

P233: Keep container tightly closed.

Disposal:

P501: Dispose of contents: All disposal practices must be in accordance with local, state, national and international regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Caution! Irritant! May irritate eyes. Refer to Section 4 and 11 for health hazard identification.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: May cause skin irritation upon prolonged contact.

INGESTION: No hazard expected in normal industrial use. Ingestion of large amounts may cause gastrointestinal irritation. May be harmful if swallowed.

INHALATION: May cause respiratory tract irritation. Low hazard for normal industrial handling. May be fatal if inhaled.

TARGET ORGAN STATEMENT: Blood vessels

IRRITANCY: Yes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Proprietary Component	< 0.5	
Glycine, N, N'-1, 2-ethanediylbis[n-(carboxymethyl)-	< 0 - 5	60-00-4
Silicic Acid (h2sio3), Disodium Salt	< 1	6834-92-0
Ammonium Hydroxide	< 1	1336-21-6

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Immediately remove all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. If irritation develops or persists seek medical attention. Wash contaminated clothing before re-use.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

INHALATION: Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning. Red eyes. Tearing.

SKIN: Contact may cause skin irritation.

CHRONIC EFFECTS: None

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: This product is not flammable.

EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon.

FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire exposed containers cool.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: Always employ the proper personal protective equipment. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas through the use of berms. Collect liquid with explosion proof pumps if possible. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Fluorocarbon alcohol resistant foams may be applied to spill to diminish vapor and fire hazard.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Depending on the size of the spill and the movement characteristics of the water into which it entered, consider use of booms, underflow or overflow dams. Diversion of the material is also an option. Mechanical skimmers, pads and other absorbent materials may be considered as well.

LAND SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available noncombustible (sawdust) material to prevent spreading of the material.

GENERAL PROCEDURES: Absorb with diatomaceous earth or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility according to current applicable laws and regulations, and product characteristics at time of disposal.

SPECIAL PROTECTIVE EQUIPMENT: Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: No special handling procedures are required. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing spray or mist.

HANDLING: Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Open and handle with care. Do not handle near heat, sparks, or flames. Avoid contact with incompatible agents. Use with adequate ventilation/personal protection. Do not enter storage area that is not adequately ventilated. Metal containers used in a transfer should be bonded and grounded. Use non-sparking tools. Observe good personal hygiene after handling this material.

STORAGE: Keep container tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Ammonium Hydroxide	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL

ENGINEERING CONTROLS: If vapors, or mists are generated, provide local exhaust ventilation to prevent airborne exposure. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94)

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material. Maintain eye wash fountain and quick-drench facilities in work area.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: No special precautions are necessary under normal operating conditions.

If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or maximum use concentration specified by the respirator supplier or regulatory agency. A full-face organic vapor respirator may be employed for use in atmospheres that contain up to 50 times the exposure limit. For emergencies or instances where the exposure levels are not known a positive- pressure, full-face piece, air supplied respirator should be employed.

PROTECTIVE CLOTHING: Long sleeved clothing should always be considered when handling chemical substances.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Hands and any other exposed area should be washed thoroughly with soap and water after contact. Regular laundering of contaminated clothing is essential to reduce indirect skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Ammonia

APPEARANCE: Clear Liquid

COLOR: Colorless to Yellow

pH: > 7 to 10

BOILING POINT: > 100°C (212°F)

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: Completely soluble.

(VOC): < 5.000

10. STABILITY AND REACTIVITY

REACTIVITY: This product is stable and non-reactive under normal conditions of use, storage and transportation.

HAZARDOUS POLYMERIZATION: Material will not polymerize.

STABILITY: This product is stable under storage at normal ambient temperatures.

CONDITIONS TO AVOID: Acute aquatic toxin.

POSSIBILITY OF HAZARDOUS REACTIONS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

INCOMPATIBLE MATERIALS: Bromine pentafluoride, Hydrogen peroxide, sodium hypochlorite). sodium nitrate, fluorine, Strong oxidizing agents. Hazardous Decomposition

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Direct contact may cause eye irritation with redness, tearing and pain.

SKIN EFFECTS: Causes skin irritation with redness, itching and burning of the skin. Prolonged and/or repeated contact may produce defatting and possible dermatitis.

CARCINOGENICITY

IARC: Not Listed by IARC

NTP: Not Listed by NTP

OSHA: Not Listed by OSHA

REPEATED DOSE EFFECTS: Severe defatting of the skin.

IRRITATION: May be irritating to eyes and skin.

CORROSIVITY: Yes

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not allow to enter into surface water or drains.

ECOTOXICOLOGICAL INFORMATION: Acute aquatic toxin.

AQUATIC TOXICITY (ACUTE): Yes

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must comply with federal, state, and local disposal or discharge laws.

PRODUCT DISPOSAL: Collect in appropriate containers. Dispose of waste at an appropriate waste disposal facility in accordance with current applicable laws and regulation, and product characteristics at time of disposal.

EMPTY CONTAINER: Dispose of container in accordance with applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** No**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**313 REPORTABLE INGREDIENTS:** No**CALIFORNIA PROPOSITION 65:** This product does not contain listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.**16. OTHER INFORMATION****REASON FOR ISSUE:** GHS SDS Format**APPROVED BY:** Scott Margulis **TITLE:** Chief Operating Officer**PREPARED BY:** Scott Margulis **Date Prepared:** 06/30/2015**MANUFACTURER SUPPLEMENTAL NOTES:** All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Manufacturer shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the Manufacturer to ensure that this document is the most current available. Alteration of this document is strictly prohibited.

ADDITIONAL MSDS INFORMATION: Prepared by: Responder (ESP Consulting, LLC) 877-756-4666**MANUFACTURER DISCLAIMER:** Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.