SAFETY DATA SHEET



1. Identification

Product identifier	Motor Medic Fuel Injector & C	Carburetor Cle	aner
Other means of identification			
SDS number	M4912		
Part No.	M4912		
Tariff code	3811.19.0000		
Recommended use	Gasoline Fuel Additive		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/I	Distributor information		
Manufacturer			
Company name Address	RSC Chemical Solutions 600 Radiator Road Indian Trail, NC 28079 United States		
Telephone	Customer Service: Technical:	(704) 821-764 (704) 684-18	
Website E-mail	www.rscbrands.com sds@rscbrands.com	< <i>/</i>	
Emergency phone number	Emergency Telephone: Emergency Contact:	(303) 623-571 RMPDC (877-	
2. Hazard(s) identification			
Physical hazards	Flammable liquids		Category 3
Health hazards	Acute toxicity, oral		Category 4
	Acute toxicity, inhalation		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irritati	on	Category 2A
	Carcinogenicity		Category 2
	Specific target organ toxicity, si	ngle exposure	Category 3 narcotic effects
	Specific target organ toxicity, re exposure	epeated	Category 2
	Aspiration hazard		Category 1
Environmental hazards	Hazardous to the aquatic environ hazard	onment, acute	Category 3
	Hazardous to the aquatic enviro long-term hazard	onment,	Category 3
OSHA defined hazards	Not classified.		



Danger

Hazard statement

Signal word

Flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

media

Chemical name	Common name and synonyms	CAS number	%
Petroleum Distillate Aliphatic		68476-34-6	70 - < 80
Kerosine (petroleum)		8008-20-6	20 - < 30
NAPHTHALENE		91-20-3	< 0.3
Other components below reportable le	evels		5 - < 10

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing	Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Methods and materials for containment and cleaning up	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.
	Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Value Components Туре PEL NAPHTHALENE (CAS 50 mg/m3 91-20-3) 10 ppm **US. ACGIH Threshold Limit Values** Form Components Value Type Kerosine (petroleum) (CAS TWA 200 mg/m3 Non-aerosol. 8008-20-6) NAPHTHÁLENE (CAS TWA 10 ppm 91-20-3)

US. ACGIH Threshold Limit Components	t Values Type		Value	Form
Petroleum Distillate Aliphatic (CAS 68476-34-6)	TWA		100 mg/m3	Inhalable fraction and vapor.
US. NIOSH: Pocket Guide t	o Chemical Hazards			
Components	Туре		Value	
Kerosine (petroleum) (CAS 8008-20-6)	TWA		100 mg/m3	
NAPHTHALENE (CAS 91-20-3)	STEL		75 mg/m3	
	TWA		15 ppm 50 mg/m3 10 ppm	
iological limit values	No biological exposure lim	its noted for the ingredier	nt(s).	
xposure guidelines				
US ACGIH Threshold Limit	Values: Skin designation			
Kerosine (petroleum) (C NAPHTHALENE (CAS 9 Petroleum Distillate Alipl	1-20-3)	Can be absorbed th Can be absorbed th Can be absorbed th	rough the skin.	
ppropriate engineering ontrols	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.			
-	such as personal protective equipment			
Eye/face protection	wear safety glasses with side shields (or goggles)			
Skin protection Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.			
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.			
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded.			
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.			
eneral hygiene onsiderations	When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.			
. Physical and chemical	properties			
ppearance	Liquid. Clear.			
Physical state	Liquid.			
Form	Liquid.	-		
Color	Dark red.			
dor	Diesel Fuel odor			
dor threshold	Not available.	Not available.		

рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	347 °F (175 °C) estimated
Flash point	136.0 °F (57.8 °C) Tag Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explo	osive limits
Flammability limit - lower (%)	0.7 % estimated

Flammability limit - upper (%)	5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.64 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	500 °F (260 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	7.09 lbs/gal
Explosive properties	Not explosive.
Flammability class	Combustible II estimated
Moisture	< 0.5 %
Oxidizing properties	Not oxidizing.
Specific gravity	0.85
VOC (Weight %)	0.3 % estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Headache. May cause drowsiness and dizziness. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways. Harmful if inhaled. Narcotic effects.

Components	Species	Test Results
NAPHTHALENE (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
	Rat	> 20 g/kg

Components	Species	Test Results	
Oral			
LD50	Guinea pig	1200 mg/kg	
	Rat	490 mg/kg	
* Estimates for product may b	e based on additional compone	ent data not shown.	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitization	n		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to cause skin sensitization.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Suspected of causing cancer.		
IARC Monographs. Overall	Evaluation of Carcinogenicity	,	
NAPHTHALENE (CAS 9 Petroleum Distillate Aliph OSHA Specifically Regulate		2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans. 001-1050)	
Not listed.			
•••	ogram (NTP) Report on Carci	nogens	
NAPHTHALENE (CAS 9	1-20-3)	Reasonably Anticipated to be a Human Carcinogen.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.		
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
Aspiration hazard	May be fatal if swallowed and enters airways.		
Chronic effects	May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.		
12. Ecological information	n		
Ecotoxicity	Harmful to aquatic life with lo	ng lasting effects.	
Components	Species	Test Results	
NAPHTHALENE (CAS 91-20-	-3)		
Aquatic			

* Estimates for product may be based on additional component data not shown.

EC50

LC50

Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential		
Partition coefficient n-octar	nol / water (log Kow)	
NAPHTHALENE	3.3	
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

Water flea (Daphnia magna)

Pink salmon (Oncorhynchus gorbuscha) 1.11 - 1.68 mg/l, 96 hours

13. Disposal considerations

Crustacea

Fish

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.

1.09 - 3.4 mg/l, 48 hours

Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

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DOT	
UN number	Not available.
UN proper shipping name	Consumer commodity
Transport hazard class(es)	
Class	ORM-D
Subsidiary risk	-
Label(s)	None
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None
ΙΑΤΑ	
Not regulated as dangerous go	pods.
IMDG	
UN number	UN1268
UN proper shipping name	Petroleum Products, N.O.S (Petroleum Distillate Aliphatic)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	

Yes Marine pollutant F-E, S-E Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Transport in bulk according to Not established. Annex II of MARPOL 73/78 and

IMDG

EmS

the IBC Code





15. Regulatory information

15. Regulatory mormation			
US federal regulations	This product is a "Hazard Standard, 29 CFR 1910."		ed by the OSHA Hazard Communication
TSCA Section 12(b) Export	Notification (40 CFR 707,	Subpt. D)	
Not regulated.			
CERCLA Hazardous Substa	ance List (40 CFR 302.4)		
NAPHTHALENE (CAS 9	1-20-3)	Listed.	
SARA 304 Emergency relea	se notification		
Not regulated.			
OSHA Specifically Regulate	ed Substances (29 CFR 19	10.1001-1050)	
Not listed.			
Superfund Amendments and Re	eauthorization Act of 1986	(SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely hazard Not listed.	dous substance		
SARA 311/312 Hazardous chemical	No		
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt.
NAPHTHALENE		91-20-3	< 0.3
Other federal regulations			
Clean Air Act (CAA) Sectior	n 112 Hazardous Air Pollu	tants (HAPs) List	
NAPHTHALENE (CAS 9			
Clean Air Act (CAA) Section		e Prevention (40 CFR	68.130)
Not regulated.	.,	·	
Safe Drinking Water Act (SDWA)	Not regulated.		
IS state regulations			
-	ubstances. CA Departmer	t of Justice (California	a Health and Safety Code Section 11100)
Not listed.			· · · · · · · · · · · · · · · · · · ·
	hemicals List. Safer Cons	umer Products Regul	ations (Cal. Code Regs, tit. 22, 69502.3, su
Kerosine (petroleum) (CA			
NAPHTHALENE (CAS 9			
Petroleum Distillate Aliph			
US. Massachusetts RTK - S			
Kerosine (petroleum) (CA NAPHTHALENE (CAS 9			
US. New Jersey Worker and		ow Act	
Kerosine (petroleum) (CA			
NAPHTHALENE (CAS 9	0 0000 20 01		
Petroleum Distillate Aliph			

US. Pennsylvania Worker and Community Right-to-Know Law

Kerosine (petroleum) (CAS 8008-20-6) NAPHTHALENE (CAS 91-20-3) Petroleum Distillate Aliphatic (CAS 68476-34-6)

US. Rhode Island RTK

NAPHTHALENE (CAS 91-20-3)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

NAPHTHALENE (CAS 91-20-3) Listed: April 19, 2002

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

country(s).

16. Other information, including date of preparation or last revision

Issue date	04-10-2015
Revision date	02-11-2016
Version #	04
HMIS® ratings	Health: 2* Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0
NFPA ratings	2 0
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Revision Information	Exposure controls/personal protection: Eye/face protection Exposure controls/personal protection: Respiratory protection Transport Information: Material Transportation Information HazReg Data: International Inventories GHS: Classification