

MATERIAL SAFETY DATA SHEET

Quick Identifier (In Plant Common Name): RGS FW1 WASH & WAX

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SECTION 1 – CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

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MANUFACTURER'S NAME: SPRAY PRODUCTS CORPORATION
ADDRESS: P.O. Box 737, Norristown, PA 19404
EMERGENCY TELEPHONE NUMBER: Chemtrec 1-800- 424-9300
GENERAL INFORMATION TELEPHONE NUMBER: 1-610-277-1010
DATE PREPARED: January 27th, 2012
COMMON NAME (used on label)(Trade Name & Synonyms): RGS FW1 WASH & WAX
AEROSOLS

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SECTION 2 – COMPOSITION, INFORMATION, INGREDIENTS

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Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS #	OSHA PEL	ACGIH TLV	VAPOR PRESS @ 25 DEG. C	LEL	UEL	FLASH POINT DEG. F	Wt %
Principal Hazardous Component(s)								
CHEMICAL AND COMMON NAME(S)	CAS. #	OSHA PEL	AGCIH TLV	VAPOR PRESSURE @ 25 DEG. C.	LEL	UEL	FLASH POINT DEG. F	% BY WT
Hydrotreated Light Distillate	64742-47-8	n/a	n/a	0.07mmHg	0.5	4.9	177 (PMCC)	5 – 10
Heptane	142-82-5	400ppm	400ppm	45 mmHg	1.2	6.7	<20(TCC)	5 - 10
Liquefied Petroleum Gas (Propellant)	68476-85-7	1000ppm	1000ppm	3691 mmHg	2.0	10.0	-156 Est.	5 - 10

N/A is not available or not applicable
 NE is not established

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SECTION 3: HAZARD IDENTIFICATION

APPEARANCE AND ODOR: CONCENTRATE: White Liquid with characteristic odor;

PROPELLANT: Colorless, odorless gas; FINISHED PACKAGE: Pressurized containers.

HEALTH HAZARDS: Excessive vapors may cause drowsiness and dizziness. Vapors may cause irritation to eyes. Harmful: may cause lung damage if swallowed.

SAFETY HAZARDS: Do not use or store near heat or ignition sources. Contents under pressure. Containers may burst at temperatures above 130 deg. F.

POTENTIAL HEALTH HAZARDS:

EYE CONTACT: May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes

SKIN CONTACT: Prolonged contact may cause irritation, defatting of skin

INHALATION: May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage

INGESTION: If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

AGGRAVATED MEDICAL CONDITION: Pre-existing medical conditions of the following organs or organ systems may be aggravated by exposure to this material; Eyes, Respiratory system. Skin.

SECTION 4: FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

EYES: Flush with flowing water immediately and continuously for 15 minutes. Transport to nearest medical facility for additional treatment.

SKIN: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. If irritation persists, call a physician.

INGESTION: Do not induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5: FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

FLASH POINT: SEE SECTION 2

EXPLOSION/FLAMMABILITY LIMITS IN AIR: SEE SECTION 2

AUTO IGNITION TEMPERATURE: N/A

SPECIFIC HAZARDS: Containers exposed to intense heat from fires should be cooled with large quantities of water. .

EXTINGUISHING MEDIA: Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Wear full protective clothing and self contained breathing apparatus. Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

ADDITIONAL ADVICE: All storage areas should be provided with adequate fire fighting facilities. Keep adjacent containers cool by spraying with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet. Observe all relevant local and international regulations.

PROTECTIVE MEASURES: Isolate hazard area and deny entry to unnecessary or unprotected personnel. Stay upwind and keep out of low areas. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment (of product and fire fighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapor or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Ventilate contaminated area thoroughly.

CLEAN UP METHODS: For large liquid spills, transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Removal contaminated soil and dispose of safely. For small liquid spills, transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

ADDITIONAL ADVICE: Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Local authorities should be advised if significant spillages cannot be contained. Vapor may form an explosive mixture with air. See Chapter 13 for information on disposal. U. S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity (refer to Chapter 15) to the National Response Centre at (800) 424-8802.

CHAPTER 7: HANDLING AND STORAGE

GENERAL PRECAUTIONS: Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

HANDLING: Avoid inhaling **vapor** and/or mists. Avoid contact with skin, eyes, and clothing. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks.

STORAGE: Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. The vapor is heavier than air. Do not store above 120 deg F.

ADDITIONAL INFORMATION: Use the information in that data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Ensure that all local regulations regarding handling and storage facilities are followed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: See section 2.

Engineering Controls

Normal ventilation for standard manufacturing procedures is generally adequate. Local exhaust should be used when large amounts are released. Mechanical ventilation should be used in low or enclosed places.

Personal Protective Equipment

EYE/FACE PROTECTION:

Wear safety glasses or coverall chemical splash goggles.

RESPIRATORS:

Wear NIOSH approved respiratory protection, as appropriate. Self-contained breathing apparatus (SCBA) is required if large release occurs.

PROTECTIVE CLOTHING:

Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

Protective gloves and chemical splash goggles should be used when handling liquid.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: White Liquid
Odor	: Characteristic
pH	: 9 to 10
Boiling point	: 180 F
Flash point	: See section 2
Explosion / Flammability	: See section 2
Limits in air	
Auto-ignition temperature	: N/A
Vapor pressure	: See section 2
Density	: 1.0 g/cc
Water solubility	: Miscible

Dynamic viscosity : 250 cst @ 40 C
Vapor density : > 1
Evaporation rate (nBuAc=1) : > 1

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

Incompatible with oxidizing materials

Decomposition forms Carbon Dioxide. Carbon Monoxide

Decomposes with heat. High temperatures (open flames, glowing metal surfaces, etc.) can decompose HFC-43-10mee forming hydrofluoric acids and possibly carbonyl halides.

HFC-43-10mee is incompatible with strong bases and can react to form salts of hydrofluoric acid and unsaturated compounds of unknown toxicity.

Polymerization

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: Low toxicity: LD50>2000 mg.kg, Rat. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

ACUTE DERMAL TOXICITY: Low toxicity: LD50>2000 mg/kg, Rabbit.

ACUTE INHALATION TOXICITY: Low toxicity: LD50>5000 ppm / 1 hours, Rat. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea: continued inhalation may result in unconsciousness and/or death.

SKIN IRRITATION: Not irritating to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

EYE IRRITATION: Irritating to eyes.

RESPIRATORY IRRITATION: Inhalation of vapors or mists may cause irritation to the respiratory system.

SENSITISATION: Not a skin sensitizer.

REPEATED DOSE TOXICITY: Low systemic toxicity on repeated exposure.

MUTAGENICITY: Not mutagenic.

CARCINOGENICITY CLASSIFICATION: ACGIH Group A4: Not classifiable as a human

carcinogen.

REPRODUCTIVE AND DEVELOPMENTAL TOXICITY: None known

12. ECOLOGICAL INFORMATION

ACUTE TOXICITY

Fish : Low toxicity: LC/EC/IC50>1000 mg/l
Aquatic Invertebrates : Low toxicity: LC/EC/IC50>1000 mg/l
Algae : Low toxicity: LC/EC/IC50> 1000 mg/l
Microorganisms : Low toxicity: LC/EC/IC50> 1000 mg/l

MOBILITY: If product enters soil, it will be mobile and may contaminate groundwater.

PERSISTENCE/DEGRADABILITY: Readily biodegradable.

BIOACCUMULATION: Not expected to bioaccumulate significantly.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

13. DISPOSAL CONSIDERATIONS

MATERIAL DISPOSAL: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

CONTAINER DISPOSAL: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

LOCAL LEGISLATION: Local regulations may be more stringent than regional or national requirements and must be complied with.

Section 14- Transport Information

TRANSPORTATION INFORMATION – DOMESTIC GROUND

Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D
UN Number:	N/A
Packing Group:	N/A
Hazard Label:	None
Carton Marking:	Consumer Commodity, ORM-D

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

FEDERAL REGULATORY STATUS

Notification Status

TSCA Listed

COMPREHENSIVE ENVIRONMENTAL RELEASE, COMPENSATION & LIABILITY ACT (CERCLA)

N/A

SARA HAZARD CATAGORIES (311/312): Immediate (acute) health hazard. Fire hazard.

STATE REGULATORY STATUS: California Safe Drinking Water and Toxic Enforcement Ace (Proposition 65). This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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SECTION 16 – OTHER INFORMATION

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NFPA HAZARD RATINGS Health = 1 Flammability = 4 Reactivity = 0

Disclaimer

SPRAY PRODUCTS CORPORATION believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Persons receiving this information are encouraged to make their own determination as to the information's suitability and completeness for their particular application. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY SPRAY PRODUCTS CORPORATION.

