

Safety Data Sheet (SDS)

MICROCLEAN MICROFIBER DETERGENT

REV Motive DBA Rev Auto Car Care Products

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : MICROCLEAN MICROFIBER DETERGENT
Product identifier : NA-NSS
Product Family : Aqueous mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Automotive body detailing

1.3 Details of the supplier of the safety data sheet

Company : REV Auto Car Care Products
REV Motive
280 South Lemon Ave 266
Walnut, CA 91788

Telephone : 1-802-738-0118

Fax :

1.4 Emergency telephone number

Emergency phone # : PERS NORTH AMERICA 1-800-633-8253
INTERNATIONAL 1-801-629-0667

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910(OSHA HCS)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

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

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

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2.2 GHS Label elements, including precautionary statements**SIGNAL WORD: WARNING**

Pictogram

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS number	Warnings	Concentration
SODIUM TRIPHOSPHATE	7758-29-4		1-5%
NONIONIC SURFACTANT BLEND	PROPRIETARY	NON-HAZARDOUS	1-5%
SODIUM HYDROXIDE	1310-73-2		>1%
SODIUM CHLORIDE	7647-14-5		>1%
ALKYL C10-16 ETHER SULFATE SODIUM SALT	68585-34-2		1-5%
Alkyl(C10-16)BENZELSULFONIC ACID	68584-22-5		5-10%
SODIUM METASILICATE	13517-24-3		1-5%
Glycerol	56-81-5		>1%

4. FIRST AID MEASURES**First aid procedures****After inhalation:**

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious. If victim is conscious, rinse mouth with water and contact emergency number listed in section 1.4.

After contact with skin:

Immediately wash skin with soap and water. May cause irritation. Seek medical attention if irritation or allergic reaction is present.

After contact with eyes:

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs. Avoid agitation. Abrasives present in substance may scratch eyes. Remove contact lenses if able.

After ingestion:

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Rinse mouth with water, contact poison control center or emergency number listed in section 1.4. Never give anything by mouth to an unconscious person.

Advice to doctor / Treatment:

None known.

5. FIRE FIGHTING MEASURES

Flashpoint: Unknown, aqueous mixture.

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Self ignition: Not applicable

Ignition temperature: not tested.

Hazardous combustion products: carbon oxides, sodium oxides, sulfur oxides

Extinguishing media: water spray jet, alcohol-resistant foam, carbon dioxide, dry powder.

Special fire fighting procedure: Apply alcohol-type or all purpose-type foams by manufacturers' recommended techniques for large fires or water spray. Use carbon dioxide or dry chemical media for small fires. Use self-contained breathing apparatus and protective equipment. Cool endangered containers with water jet.

Unusual fire and explosion hazards: Product can potentially float on water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use the Personal protective Equipment recommended in Section 8 of this SDS

Environmental Precautions Spilled product may present a slipping hazard or result in unintended fumes. Please absorb excess, rinse area and ensure adequate ventilation.

Methods for Containments and Clean-up

Contain large spills as best as possible. Dam flow with appropriate materials and absorb centralized spillage with inert material such as vermiculite, cat litter or diatomaceous earth. Sweep and dispose of as needed. For small spills, wipe away and wash exposed area.

7. HANDLING AND STORAGE

Handling Wear gloves while in use, protect hands, face and skin from prolonged and repeated exposure. May cause skin cracking, drying and irritation.

Storage Store with caution. Do not store in temperatures above 120F. Bottle/container may swell and or damage product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guideline Comments Exposure Limits:

Sodium Hydroxide 1310-73-2 TWA/OSHA PEL 2 mg/m3

Engineering Controls Adequate ventilation necessary.

Personal Protective Equipment (PPE)

Eye/Face Protection Wear goggles if deemed necessary. Concentrated and diluted solution may irritate eyes.

Skin Protection Wear gloves while in use.

Respiratory Protection Niosh approved respirator for airborne particles if adequate ventilation not present.

General Hygiene Considerations Treat products as sum of its components. Wash hands before and after use and before smoking eating or drinking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State liquid

Appearance blue

Particle Size liquid

Odor fragrant

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Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	200f
Decomposition Temperature	No Available Data
Melting point	32F
Freezing Point	32F
Relative Density	1g/cm ³
Bulk Density	No Available Data
Solubility in Water	100%
Solubility in other liquids	No Available Data
pH	8-9
Flash point	No Available Data

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid extreme temperatures.
Hazardous Decomposition Products	carbon oxides, sodium oxides, sulfur oxides
Possibility of Hazardous Reactions	Do not bring into contact with oxidizers.

11. TOXICOLOGICAL INFORMATION

ALKYL C10-16 ETHER SULFATE SODIUM SALT

Dermal Acute > 2000 mg/kg LD50 Rat Oral > 2000 mg/kg

DODECYLBENZENE SULFONIC ACIDS

LD50 Rabbit Dermal Acute > 2000 mg/kg LD50 Rat Oral 500 - 2000 mg/kg

SODIUM METASILICATE

LD50 Oral - rat - male and female - 1,152 - 1,349 mg/kg Remarks: Gastrointestinal:Ulceration or bleeding from stomach. Inhalation: no data available Dermal: no data available no data available Skin corrosion/irritation Skin -rabbit Result: Corrosive - 4 h (OECD Test Guideline 404)

SODIUM TRIPOLYPHOSPHATE

Acute toxicity LD50 Oral - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male and female - 4 h - > 0.39 mg/l LD50 Dermal - Rabbit - 4,640 mg/kg

Skin Irritation/Corrosion

May be irritating to skin.

Eye Irritation/Corrosion

May cause eye irritation/damage.

Effects of Short-Term (Acute) Exposure

No data available.

Inhalation

No data available.

Ingestion

No data available.

12. ECOLOGICAL TOXICITY

General Comments

ALL SURFACTANTS CONTAINED WITHIN THIS FORMULA ARE CLASSIFIED AS READILY BIODEGRADABLE.

DODECYLBENZENESULFONIC ACIDS

Algae EC50 Algae 47.3 mg/l, 72 hours Crustacea EC50 Daphnia 2.4 mg/l, 48 hours Fish LC50 Fish 1.67 mg/l, 96 hours

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ALKYL C10-16 ETHER SULFATE SODIUM SALT

Acute Fish LC50 Fish 2.3 mg/l, 96 hours Aquatic Crustacea EC50 Water flea (Ceriodaphnia dubia) 2.33 - 4.81 mg/l, 48 hours

SODIUM METASILICATE

Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h (ISO 7346/1)

SODIUM TRIPOLYPHOSPHATE

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

14. TRANSPORT INFORMATION**Shipping Information**

Product is not UN rated. Product is not flammable or known to have any restrictions in transport. Ensure, before use, that product is not restricted by any local, state or federal environmental restrictions not otherwise stated.

Special Shipping Information

Not applicable.

NFPA/HMIS

1 HEALTH

0 FLAMMABILITY

0 REACTIVITY

15. REGULATORY INFORMATION

Massachusetts Right To Know Components

Pentasodium triphosphate CAS-No. 7758-29-4 Revision Date 1993-04-24

2-Propoxyethanol CAS-No. 2807-30-9 Revision Date 1989-08-11

Pennsylvania Right To Know Components

Pentasodium triphosphate CAS-No. 7758-29-4 Revision Date 1993-04-24

2-Propoxyethanol CAS-No. 2807-30-9 Revision Date 1989-08-11

New Jersey Right To Know Components

Pentasodium triphosphate CAS-No. 7758-29-4 Revision Date 1993-04-24

2-Propoxyethanol CAS-No. 2807-30-9 Revision Date 1989-08-11

California

Product is not known, at this time, to contain any California prop 65 materials.

16. OTHER INFORMATION

SDS Prepared by

Disclaimer

REV Motive dba REV Auto Car Care Products

This health and safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, to maintain revised copies of this information to be requested. When applicable, revised copies shall be sent to customers whom have been directly supplied with this substance. It must be known that it is the responsibility of any intermediate supplier

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to ensure that such revision is passed to the user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this sheet.