

# Safety Data Sheet (SDS)

## MEAN CLEAN ALL PURPOSE CLEANER

### REV Motive DBA Rev Auto Car Care Products

#### 1. PRODUCT AND COMPANY IDENTIFICATION

##### 1.1 Product identifiers

Product name : MEAN CLEAN ALL PURPOSE CLEANER  
Product identifier : NA-GSF  
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.

P270 Do not eat/drink/smoke while using product.

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 METASILICATE	6834-92-0		5-10%
NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0		1-5%
2—BUTOXY ETHANOL	111-76-2		1-5%
SODIUM OLEFIN SULFONATE	68439-57-6		1-5%
POLYETHYLENE GLYCOL	25322-68-3		.1-.5%
ETHYLENE GLYCOL	107-21-1		>.1%
SODIUM TRIPOLYPHOSPHATE	7758-29-4		1-5%

**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:**

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.**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 diamaceous 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.**Storage** Store with caution. Do not store in temperatures above 120F. Bottle/container may swell and or fumes accumulate. Store in adequate ventilation.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure Guideline Comments</b>		<b>Exposure Limits:</b>
2-Butoxyethanol	111-76-2	TWA 20.000000 ppm USA. ACGIH Threshold Limit Values (TLV) Remarks Upper Respiratory Tract irritation
		Eye irritation Substances for which there is a Biological Exposure Index or Indices . Confirmed animal carcinogen with unknown relevance to humans.
		Potential for dermal absorption.
		TWA 50.000000 ppm 240.000000 mg/m3 USA.
		Occupational Exposure Limits (OSHA)
$\alpha$ -Hydro- $\omega$ -hydroxypoly(oxy-1,2- ethanediyl), n ~400	25322-68-3	TWA 10.000000 mg/m3 USA. Workplace
		Environmental Exposure Levels (WEEL) TWA 10.000000 mg/m3 USA. Workplace
		Environmental Exposure Levels (WEEL)
Ethylene glycol	107-21-1	C 100.000000 mg/m3 USA. ACGIH Threshold Limit Values (TLV)

**Engineering Controls** Adequate ventilation necessary.**Personal Protective Equipment (PPE)****Eye/Face Protection** None required. Wear safety-glasses if desired. Do not inhale. Use adequate ventilation.**Skin Protection** Wear gloves while in use.**Respiratory Protection** Niosh approved respirator for airborne particles if adequate ventilation not present.

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**General Hygiene Considerations** Treat products as sum of its components. Oxides and particulate matter may irritate lungs. Wash hands before and after use and before smoking eating or drinking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	liquid
<b>Appearance</b>	PINK TO RED CLEAR
<b>Particle Size</b>	liquid
<b>Odor</b>	FRAGRANT
<b>Odor Threshold</b>	No Available Data
<b>Molecular Formula</b>	Mixture
<b>Molecular Weight</b>	Mixture
<b>Boiling Point</b>	180F
<b>Decomposition Temperature</b>	No Available Data
<b>Melting point</b>	32F
<b>Freezing Point</b>	32F
<b>Relative Density</b>	.97g/cm <sup>3</sup>
<b>Bulk Density</b>	No Available Data
<b>Solubility in Water</b>	100%
<b>Solubility in other liquids</b>	No Available Data
<b>pH</b>	9-10
<b>Flash point</b>	No Available Data

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### 2-BUTOXY ETHANOL

Acute toxicity LD50 Oral - Rat - male - 880 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - male - 1,060 mg/kg (OECD Test Guideline 402) LD50 Intraperitoneal - Rat - 220 mg/kg LD50 Intravenous - Rat - 307 mg/kg Skin corrosion/irritation Skin - Rabbit Result: Skin irritation - 20 h Serious eye damage/eye irritation Eyes - Rabbit Result: Eye irritation - 24 h (OECD Test Guideline 405) Respiratory or skin sensitisation Maximisation Test (GPMT) - Guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406) Germ cell mutagenicity Hamster ovary Result: negative OECD Test Guideline 474 Mouse - male Result: negative Carcinogenicity IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### 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)

### NONYLPHENOL POLYETHYLENE GLYCOL ETHER

LD50 Oral - Rat - 960 - 3,980 mg/kg LC50 Inhalation - Rat - 4 h - 1.15 mg/l LD50 Dermal - Rabbit - 2,000 - 2,991 mg/kg

### ETHYLENE GLYCOL

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Acute toxicity LD50 Oral - Rat - 4,700 mg/kg Inhalation: No data available LD50 Dermal - Rabbit - 10,626 mg/kg  
SODIUM OLEFIN SULFONATE

LD50 Rabbit Dermal Acute > 2000 mg/kg LD50 Rat Oral 1300 - 2400 mg/kg  
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

Polyethylene glycol:

LD50 Oral - Rat - > 5,000 mg/kg Inhalation: No data available LD50 Dermal - Rabbit - > 5,000 mg/kg No data available

#### **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**

#### 2-BUTOXYETHANOL

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 1,474 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 1,550 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae Growth inhibition EC50 - Pseudokirchneriella subcapitata (green algae) - 1,840 mg/l - 72 h (OECD Test Guideline 201) 12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d Result: 90.4 % - Readily biodegradable

#### SODIUM METASILICATE

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

#### SODIUM OLEFIN SULFONATE

Algae EC50 Algae 42.3 mg/l, 72 hours Crustacea EC50 Daphnia 4.48 mg/l, 48 hours Fish LC50 Fish 2.6 mg/l, 96 hours

#### POLYETHYLENE GLYCOL

Toxicity to fish static test - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h (DIN 38412)

#### SODIUM TRIPOLYPHOSPHATE

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

#### ETHYLENE GLYCOL

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 18,500 mg/l - 96 h LC50 - Leuciscus idus (Golden orfe) - > 10,000 mg/l - 48 h NOEC - Pimephales promelas (fathead minnow) - 32,000 mg/l - 7 d NOEC - Pimephales promelas (fathead minnow) - 39,140 mg/l - 96 h

#### NONYLPHENOL POLYETHYLENE GLYCOL

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Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 3.8 - 6.2 mg/l - 96 h  
 Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 9.3 - 21.4 mg/l - 48 h  
 Toxicity to bacteria IC50 - Bacteria - > 1,000 mg/l - 16 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

#### United States

**SARA 313 Components** The following components are subject to reporting levels established by SARA Title III, Section 313: 2-Butoxyethanol CAS-No. 111-76-2

**Ethylene glycol CAS-No. 107-21-1 Revision Date 2007-07-01**

Massachusetts Right To Know Components

2-Butoxyethanol CAS-No. 111-76-2

Ethylene glycol CAS-No. 107-21-1 Revision Date 2007-07-01

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

Pennsylvania Right To Know Components

2-Butoxyethanol CAS-No. 111-76-2

Ethylene glycol CAS-No. 107-21-1 Revision Date 2007-07-01

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

$\alpha$ -(4-Nonylphenyl)- $\omega$ -hydroxy-poly(oxy-1,2-ethanediyl) branched CAS-No. 127087-87-0

New Jersey Right To Know Components

2-Butoxyethanol CAS-No. 111-76-2

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

Ethylene glycol CAS-No. 107-21-1 Revision Date 2007-07-01

$\alpha$ -(4-Nonylphenyl)- $\omega$ -hydroxy-poly(oxy-1,2-ethanediyl) branched CAS-No. 127087-87-0

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

#### 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

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any intermediate supplier 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.