

SAFETY DATA SHEET.

Issuing date 25-May-2016

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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier.

Product name SILICONE-FREE CAR WASH & WAX

Recommended use of the chemical and restrictions on use.

Product code. XP02838

Product Type. Extremely flammable aerosol
Synonyms None

Supplier's details.

Recommended Use
Uses advised against  available

Manufactured For:
FOR PRODUCT TEST SAMPLE ONLY
DO NOT USE FOR ANY OTHER
CODED PRODUCT THAT IS
DIFFERENT FROM ABOVE LISTED
IDENTIFICATION NUMBER.
UPON SAMPLE APPROVAL, A FINAL
SDS WILL BE GENERATED.

Emergency telephone number

Chemical Emergency Phone Number Chemtec 1-800-262-0200 ID 1105

2. HAZARDOUS IDENTIFICATION

Classification

This SDS has been developed for sample purposes only. Classification(s) may change after final sample approval. Upon Flame Ignition Testing the flammability of the product may change for GHS .


Skin corrosion/irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements
 Causes skin irritation
 Suspected of causing cancer
 May cause respiratory irritation. May cause drowsiness or dizziness
 May be fatal if swallowed and enters airways
 Extremely flammable aerosol
 Contains gas under pressure; may explode if heated



Appearance opaque **Physical state** Aerosol **Odor** Mild

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Wear protective gloves/protective clothing/eye protection/face protection
- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Do not spray on an open flame or other ignition source
- Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

- If exposed or concerned: Get medical advice/attention
- Specific treatment (see first aid on this label)
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

Other information

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
PROPANE/SOBUTANE/N-BUTANE	68476-86-8	20-30
PETROLEUM DISTILLATES	64741-65-7	20-30
HYDROTREATED MIDDLE DISTILLATE	64742-46-7	1-10
SORBITAN MONOOLEATE	1338-43-8	1-10
ANHYDROUS ALUMINUM SILICATE	66402-68-4	1-10
DIETHANOLAMINE	111-42-2	<1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures for different exposure routes****General advice**

Under normal conditions of intended use, this product does not pose a risk to health .
Excessive exposure may result in eye, skin, or respiratory irritation.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

Skin contact

Wash off immediately with soap and plenty of water . Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.

Inhalation

Move to fresh air. If not breathing, give artificial respiration. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.

Ingestion

Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

Most important symptoms/effects, acute and delayed**Main Symptoms**

Causes skin irritation. Suspected of causing cancer. May cause respiratory irritaiton. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

Indication of immediate medical attention and special treatment needed, if necessary**Notes to physician**

Treat symptomatically.

F. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, Dry chemical, Carbon dioxide (CO2). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Keep away from heat and sources of ignition. Cool containers / tanks with water spray.

Specific hazards arising from the chemical

Extremely flammable/Flammable. Keep product and empty container away from heat and sources of ignition. No smoking. Cool containers /tanks with water spray. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

In the event of fire and/or explosion do not breathe fumes.

G. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventilation to keep the exposure levels below the OELS.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Report spills as required by local and federal regulations.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Contain liquid and collect with an inert, non-combustible material.

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Avoid inhaling vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep containers tightly closed in a cool, well-ventilated place.

Incompatible products Store away from strong acids, alkalis, or oxidizing agents.

Aerosol Level 2

H. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³ 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³ 106-97-8:TWA: 800 ppm TWA: 1900 mg/m ³ 75-28-5:TWA: 800 ppm TWA: 1900 mg/m ³
ANHYDROUS ALUMINUM SILICATE 66402-68-4	TWA: 5 mg/m ³ Zr TWA: 0.02 mg/m ³ Mn respirable fraction TWA: 0.1 mg/m ³ Mn inhalable fraction	TWA: 5 mg/m ³ Zr (vacated) TWA: 5 mg/m ³ Zr (vacated) STEL: 10 mg/m ³ Zr	IDLH: 25 mg/m ³ Zr TWA: 5 mg/m ³ except Zirconium tetrachloride Zr STEL: 10 mg/m ³ Zr
DIETHANOLAMINE 111-42-2	TWA: 1 mg/m ³ inhalable fraction and vapor Skin - potential significant contribution to overall exposure by the cutaneous route	(vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m ³	TWA: 3 ppm TWA: 15 mg/m ³

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures

Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant apron. Protective gloves.

Respiratory protection

If exposure limits are exceeded by the use of the product, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Physical and chemical properties

Physical state	Aerosol	Odor	Mild
Appearance	opaque	Odor Threshold	
Color	white		
Property	Values	Remarks • Methods	
pH	10		
Melting/freezing point	No information available		
Boiling point/boiling range	No information available		
Flash Point	-104.4 °C / -156 °F		Based on propellant
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
upper flammability limit	No information available		
lower flammability limit	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific Gravity			
Water solubility	Practically insoluble		

Partition coefficient: n-octanol/water
 Autoignition temperature No information available
 Decomposition temperature
 Viscosity No information available
 Explosive properties

Other information

VOC Content(%) 47



Reactivity

Stable under recommended storage conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Store away from strong acids,alkalis, or oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Fumes. Hydrocarbons.



Information on likely routes of exposure

Product information	Product does not present an acute toxicity hazard based on known information
Inhalation	Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness.
Eye contact	May cause eye irritation.
Skin contact	irritating to skin . Prolonged contact may cause redness and irritation.
Ingestion	Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.

Component information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
PETROLEUM DISTILLATES 64741-65-7	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.04 mg/L (Rat) 4 h
HYDROTREATED MIDDLE DISTILLATE 64742-46-7	= 7400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 4.6 mg/L (Rat) 4 h
DIETHANOLAMINE 111-42-2	= 0.62 mL/kg (Rat)	-	-

Information on toxicological effects

Symptoms Causes skin irritation. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness. Harmful if swallowed and aspiration into the lungs may be fatal.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation irritating to skin .
 Eye damage/irritation May cause eye irritation.
 Irritation May cause skin, eye and respiratory irritation.
 Sensitization None known.
 Germ Cell Mutagenicity None known.
 Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
DIETHANOLAMINE 111-42-2	-	2B	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 2B - Possibly Carcinogenic to Humans

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.
 Specific target organ systemic toxicity (single exposure) May cause drowsiness and dizziness. May cause respiratory irritation.
 Specific target organ systemic toxicity (repeated exposure) None under normal use conditions.
 Chronic toxicity Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse liver effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
 Target Organ Effects Respiratory system, Skin, Central Nervous System (CNS), Eyes, Kidney, Liver.
 Neurological effects Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
 Aspiration hazard Toxic if swallowed and enters airways.

Numerical measures of toxicity - Product information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 17255 mg/kg
 ATEmix (dermal) 2315 mg/kg
 ATEmix (inhalation-gas) 996173 mg/l
 ATEmix (inhalation-dust/mist) 6.3 mg/l
 ATEmix (inhalation-vapor) 55096 mg/l

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
PETROLEUM DISTILLATES 64741-65-7	30000 mg/L EC50 Pseudokirchneriella subcapitata 72h	-	-	2 mg/L LC50 Mysidopsis bahia 48h
HYDROTREATED MIDDLE DISTILLATE 64742-46-7	-	35 mg/L LC50 Pimephales promelas 96h flow-through 10000 mg/L LC50 Pimephales promelas 96h static	-	-
DIETHANOLAMINE 111-42-2	7.8 mg/L EC50 Desmodesmus subspicatus 72h 2.1 - 2.3 mg/L EC50 Pseudokirchneriella subcapitata 96h	4460 - 4980 mg/L LC50 Pimephales promelas 96h flow-through 1200 - 1580 mg/L LC50 Pimephales promelas 96h static 600 - 1000 mg/L LC50 Lepomis macrochirus 96h static	-	55 mg/L EC50 Daphnia magna 48h

Persistence and degradability

Bioaccumulation

Chemical Name	log Pow
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	<=2.8
DIETHANOLAMINE 111-42-2	-2.18

Other adverse effects No information available

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging Do not re-use empty containers.

DOT Ground CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1,LTD.QTY.

IMDG UN1950, AEROSOLS, 2.1,LTD.QTY.

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	Not listed	X	X	X	X
PETROLEUM DISTILLATES	X	X	X	Not listed	X	X	X	X
HYDROTREATED MIDDLE DISTILLATE	X	X	X	Not listed	X	X	X	X
SORBITAN MONOLEATE	X	X	X	X	X	X	X	X
ANHYDROUS ALUMINUM SILICATE	X	X	X	X	X	X	X	X
DIETHANOLAMINE	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 CHINA - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
ANHYDROUS ALUMINUM SILICATE - 66402-68-4	66402-68-4	1-10	1.0
DIETHANOLAMINE - 111-42-2	111-42-2	<1	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	no

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantity	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
ANHYDROUS ALUMINUM SILICATE 66402-68-4		X		

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
DIETHANOLAMINE 111-42-2	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

U.S. State Regulations

California Proposition 65

No warning required. Component in product at less than 0.1 %.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ANHYDROUS ALUMINUM SILICATE 66402-68-4	X		X
DIETHANOLAMINE 111-42-2	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class
A Compressed gases
D2B Toxic materials
B5 Flammable aerosol



16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal protection B
<i>Chronic Hazard Star Legend</i>		<i>Chronic Health Hazard Repeated or prolonged exposure may cause central nervous system damage</i>		

Prepared By
 Manufacturer
 Tel.734-721-5930
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 25-May-2016

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Revision Note

Disclaimer
The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet