

* **PRIME 3-2**

GEP 3-2D

Version: 1 / US

: MA-220

Date of printing: 01.02.18

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier
Trade name

PRIME 3-2, a blended product for use in the proprietary GreenEarth dry cleaning system, consisting of sixty (60%) percent by volume of GreenEarth pure siloxane D5 and forty (40%) percent by volume of GreenEarth Prime pre-brushing agent.

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

Pre-brushing and spotting agent for commercial use only

1.3. Details of the supplier of the safety data sheet

GreenEarth Cleaning
 51 West 135th Street
 Kansas City, MO 64145
 United States of America
 Telephone no. 00-1-816-926-0895 Ext 3
 Fax no. 00-1-816-926-0754
 E-mail address technical@greenearthcleaning.com

1.4. Emergency telephone number

Chemtrec: +1-800-424-9300 (within US) / +1-703-527-3887 (Outside US)

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1	H318
Asp. Tox. 1	H304

2.2. Label elements
Labelling according to regulation (EC) No 1272/2008
Hazard pictograms

Signal word

Danger

Hazard statements

Category	Flammable liquids
H318	Causes serious eye damage.
H304	May be fatal if swallowed and enters airways.

Precautionary statement

P280.6	Wear eye/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.

Supplemental information

EUH066	Repeated exposure may cause skin dryness or cracking.
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Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains	docusate sodium; Alkanes, C11-15-iso-
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2.3. Other hazards

The product does not contain PBT/vPvB-substances

HMIS® ratings Health: 1
 Flammability: 2
 Physical hazard: 0

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

Alkanes, C11-15-iso-

CAS No.	90622-58-5	EINECS no.	292-460-6
Concentration	>= 25 <	50 %	
Asp. Tox. 1	H304		

docosate sodium

CAS No.	577-11-7	EINECS no.	209-406-4
Registration no.	01-2119491296-29-XXXX		
Concentration	>= 1 <	3 %	
Skin Irrit. 2	H315		
Eye Dam. 1	H318		

Isotridecanol, ethoxylated

CAS No.	69011-36-5	EINECS no.	500-241-6
Concentration	>= 1 <	3 %	
Eye Dam. 1	H318		
Aquatic Chronic 3	H412		

Alcohol ethoxylate phosphate ester

CAS No.	73038-25-2	EINECS no.	615-892-2
Concentration	>= 1 <	3 %	
Skin Irrit. 2	H315		
Eye Dam. 1	H318		

Other information

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

The following symptoms may occur: Dizziness, Headache

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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4.3. Indication of any immediate medical attention and special treatment needed

If swallowed, in the event of vomiting, risk of product entering the lungs.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

Cool endangered containers with water spray jet.

5.4. General fire hazards

Combustible liquid

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product. Use personal protective clothing. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary). Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking. Vapours can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original packaging, tightly closed.

Protect from heat and direct sunlight. Keep container in a well-ventilated place.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Observe the usual precautions for handling chemicals.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Short term: filter apparatus, Filter A

Hand protection

Chemical resistant gloves

Appropriate Material nitrile

Breakthrough time 480 min

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Eye protection

Tightly fitting safety glasses

Body protection

Impermeable protective clothing

General Hygiene considerations

Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid
Colour	light yellow
Odour	Product specific
pH value	
Value	6 to 8
Flash point	
Value	> 62 °C
Density	
Value	appr. 0,84 kg/l
Viscosity	
Value	appr. 12 s
Method	DIN 53211 4 mm

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11: Toxicological information

Decamethylcyclopentasiloxane (CAS 541-02-6)

Acute

Inhalation

LC50 Rat > 5000 mg/m3/hr (Estimated by similar product)

Oral

LD50 Rat > 5000 mg/kg

Skin corrosion/irritation Patch Test(24Hr/Open) : Almost negative.

Serious eye damage/eye irritation EYE-RABBIT : MILD

Respiratory or skin sensitization

Respiratory sensitization Not available.

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Skin sensitization	No evidence of sensitization
Germ cell mutagenicity	Negative(Bacteria)
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
	Not listed.
Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Repeated inhalation or oral exposure of mice and rats to decamethylcyclopentasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes , as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive.
Aspiration hazard	Not available.

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity

For this subsection there is no ecotoxicological data available on the product as such.

Daphnia toxicity

For this subsection there is no ecotoxicological data available on the product as such.

Algae toxicity

For this subsection there is no ecotoxicological data available on the product as such.

Bacteria toxicity

For this subsection there is no ecotoxicological data available on the product as such.

12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.Do not discharge product unmonitored into the environment.

12.3. Bioaccumulative potential

May cause bioaccumulation.

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

The product does not contain PBT/vPvB-substances

12.6. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

DOT

UN number	NA1993
UN proper shipping name	Combustible liquid, n.o.s. (Organosiloxane)
Transport hazard class(es)	
Class	Combustible liq

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Subsidiary risk -
Label(s) None
Packing group III
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Special provisions IB3, T1, T4, TP1
Packaging exceptions 150
Packaging non bulk 203
Packaging bulk 241
 REGULATED IN TRANSPORT for packages of greater than 119 gallons or 450 liters volume.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This product is not intended to be transported in bulk.

DOT



SECTION 15: Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 All components are on the U.S. EPA TSCA Inventory List.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 313 (TRI reporting)

US state regulations

US. Massachusetts RTK - Substance List
 Not regulated.

US. New Jersey Worker and Community Right-to-Know Act
 Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law
 Not listed.

US. Rhode Island RTK
 Not regulated.

US. California Proposition 65
 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

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Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
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).

SECTION 16: Other information

Hazard statements listed in Chapter 3

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

- Aquatic Hazardous to the aquatic environment, chronic, Category 3
- Chronic 3
- Asp. Tox. 1 Aspiration hazard, Category 1
- Eye Dam. 1 Serious eye damage, Category 1
- Skin Irrit. 2 Skin irritation, Category 2

Abbreviations

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: Very persistent and very bioaccumulative

Supplemental information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.