



## SAFETY DATA SHEET

### SUPER HELP - TEXTILE CLEANER

Issued on 12/16/2010 - Rel. # 4 on 04/06/2016

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In conformity to Regulation (EU) 2015/830

## SECTION1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product code: SUPER HELP - TEXTILE CLEANER  
Trades code: 4400

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

Carpet cleaner

Sectors of use:

Private households (= general public = consumers)[SU21], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Washing and Cleaning Products (including solvent based products)

Uses advised against

Do not use for purposes other than those listed

### 1.3. Details of the supplier of the safety data sheet

Super Help srl - Via V.Veneto, 11 - 21100 Varese (VA) - Italy Tel. + 39 347/4650120 Fax +39 0331/953178

Email: [info@super-help.com](mailto:info@super-help.com) – Web: [www.super-help.com](http://www.super-help.com)

### 1.4. Emergency telephone number

National contact: Emergency telephon number EU 112

## SECTION2. Hazards identification

### 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS02, GHS07

Hazard Class and Category Code(s):

Flam. Aerosol 1, Skin Irrit. 2, Eye Irrit. 2

Hazard statement Code(s):

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Aerosol that ignites easily even at low temperatures, fire risk

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

The repeated inhalation of vapors can cause drowsiness and giddiness.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.



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#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):  
GHS02, GHS07 - Danger



Hazard statement Code(s):  
H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):  
not applicable

Precautionary statements:  
General

P102 - Keep out of reach of children.  
Prevention  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
Response  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### 2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

### SECTION3. Composition/information on ingredients

#### 3.1 Substances

Irrelevant

#### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements  
Hydrocarbons, C3-4 contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8)

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Hydrocarbons, C3-4	> 15 <= 19%	Flam. Gas 1, H220; Press. Gas, H280	649-199-00-1	68476-40-4	270-681-9	01- 2119486557
disodium (tetrapropenyl)succinate	> 0,9 <= 4,9%	Skin Corr. 1A, H314		94086-60-9	301-848-7	
Sodium metasilicate	> 0,1 <= 0,9%	Skin Corr. 1B, H314; STOT SE 3, H335	014-010-00-8	6834-92-0	229-912-9	01- 2119449811
Amine Oxide	> 0,1 <= 0,9%	Skin Irrit. 2, H315;		3332-27-2	222-059-3	01-211994



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Substance	Concentration	Classification	Index	CAS	EINECS	REACH
		Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411				9262-37

#### SECTION 4. First aid measures

##### 4.1. Description of first aid measures

###### Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

###### Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

###### Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

###### Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

For symptoms and effects due to substances refer to paragraph 11.

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand.

#### SECTION 5. Firefighting measures

##### 5.1. Extinguishing media

###### Advised extinguishing agents:

CO2 or dry powder extinguisher

###### Extinguishing means to avoid:

Direct jets of water

##### 5.2. Special hazards arising from the substance or mixture

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.

Manufactured under pressure in sealed metal container (test pressure 15 bar max). Cool containers with water spray trying to remove them from the fire. The aerosol containers can be overheated and burst violently ejected from a distance (protect the head using a safety helmet).

##### 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.



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The spray water can be used to protect the people involved in the extinction  
You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)  
Keep containers cool with water spray

#### SECTION6. Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### 6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Leave the surrounding area recalling that any overheating could project the cylinder at a considerable distance.

Wear mask, gloves and protective clothing.

###### 6.1.2 For emergency responders:

Given the tightness of aerosol, it is unlikely that the spillage may occur.

However if some container is damaged likely to cause a loss, insulate the tank in question by bringing it to open air or covering it with inert material and fuel (eg sand, earth, vermiculite) and having the care to avoid any point of ignition that might pose a serious risk of fire.

Wear suitable gloves (PVC, butyl rubber, neoprene or similar) and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

##### 6.2. Environmental precautions

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

##### 6.3. Methods and material for containment and cleaning up

###### 6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or the removal.

###### 6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

###### 6.3.3 Other information:

None in particular.

##### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

#### SECTION7. Handling and storage

##### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Wear protective gloves/protective clothing/eye protection/face protection.

Use extreme caution when handling the product. Avoid shock or friction.

Do not smoke at work

At work do not eat or drink.

Vapors are heavier than air and may spread close to the ground and form explosive mixtures with air. Prevent formation of flammable or explosive concentrations in the air.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Do not pierce or burn, even after the use. Do not spray on flame or incandescent objects. Use in adequately ventilated areas.



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See also paragraph 8 below.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Pressurized container. Store in a ventilated place, in original packaging away from heat and sunlight. Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

#### 7.3. Specific end use(s)

Private households (= general public = consumers):

- Keep away from heat sources, sparks, open flames
- Do not use on hot surfaces or surfaces exposed to direct sunlight
- Do not breathe spray/vapours
- Avoid contact with eyes, skin, clothing
- Do not eat, drink or smoke when using
- Do not use in confined and/or limited spaces
- Accumulations of flammable gas in the air may occur in case of an excessive use
- Use at a distance of 20 cm from the surface to be treated to prevent dispersion in the air
- Spray only briefly and take care for a good ventilation after use

Public domain (administration, education, entertainment, services, craftsmen):

- Keep away from heat sources, sparks, open flames
- Do not use on hot surfaces or surfaces exposed to direct sunlight
- Do not breathe spray/vapours
- Avoid contact with eyes, skin, clothing
- Do not eat, drink or smoke when using
- Do not use in confined and/or limited spaces
- Accumulations of flammable gas in the air may occur in case of an excessive use
- Use at a distance of 20 cm from the surface to be treated to prevent dispersion in the air
- Spray only briefly and take care for a good ventilation after use

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Related to contained substances:

Hydrocarbons, C3-4:

TLV-TWA: 1000 ppm (ACGIH 2010)

MAK: 1000 ppm 2400 mg/m<sup>3</sup>

Peak limitation category: II(4)

Pregnancy risk group: D (DFG 2008)

### 8.2. Exposure controls

Appropriate engineering controls:

Private households (= general public = consumers):

Work in a well ventilated place or equipped with ventilation devices. Do not use on hot surfaces or surfaces exposed to sunlight in order to avoid rapid evaporation of the product. Use personal protective equipment (see below).

Public domain (administration, education, entertainment, services, craftsmen):

The use of appropriate technical measures should always take priority over personal protective equipment. Ensure good ventilation in the workplace through effective local aspiration. If these steps are not enough to maintain the concentration of the product below the exposure limit values in the workplace, wear appropriate respiratory protection. Provide a system for eye wash. Before using the product refer to the label for hazard details. During the selection of personal protective equipment, seek appropriate advice from the supplier. Personal protective equipment must comply with regulations in force.





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### Individual protection measures:

#### (a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

#### (b) Skin protection

##### (i) Hand protection

Gloves: neoprene

Thickness: 0,75 mm

Breakthrough time: > 480 min

##### (ii) Other

When handling the pure product wear full protective skin clothing.

Better is to use cotton antistatic clothing

#### (c) Respiratory protection

Work in a sufficiently ventilated to avoid inhaling the product.

#### (d) Thermal hazards

No hazard to report

### Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	colorless liquid under pressure	VISUAL
Odour	essence	ORGANOLEPTIC
Odour threshold	not determined	
pH	11,1	PH-METER
Melting point/freezing point	< -100 °C (liquid gas)	
Initial boiling point and boiling range	> -42 °C (liquid gas)	
Flash point	< -80 °C (liquid gas)	
Evaporation rate	not determined	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	LEL 1,8% (vol); UEL 9,5% (vol)	
Vapour pressure	3,2 bar	
Vapour density	> 2 (liquid gas)	
Relative density	0,90 kg/l	
Solubility	in alcohol	
Water solubility	complete	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	> 400 °C (liquid gas)	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not determined	
Oxidising properties	not determined	
Container volume	520 ml	ISO 90-3:2000



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Physical and chemical properties	Value	Determination method
Product volume	400 ml	ISO 90-3:2000
Pressure to 20 °C	3,2 bar	
Deformation pressure	16,5 bar	MANOMETER GAUGE
Burst pressure of the container	18 bar	MANOMETER GAUGE
Flash point of liquid phase	> 55 °C	
Propellant inflammability	< 0 °C	

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Avoid heating the product, it could explode.

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

The aerosol product is stable for a period exceeding 36 months and in normal storage conditions can not take place dangerous reactions as the container is almost hermetically sealed.

To avoid that the metal container can deteriorate, keep away from acidic or basic products. Attention to the heat as temperatures exceeding 50 °C has increased pressure inside the container that gets to deformation of the cylinder until the outbreak.

### 10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents. It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.





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- (b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.  
(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.  
(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.  
(e) germ cell mutagenicity: based on available data, the classification criteria are not met.  
(f) carcinogenicity: based on available data, the classification criteria are not met.  
(g) reproductive toxicity: based on available data, the classification criteria are not met.  
(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.  
(i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.  
(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Hydrocarbons, C3-4:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation.

INHALATION RISK: On loss of containment this liquid evaporates very quickly displacing the air and causing a serious risk of suffocation when in confined areas.

EFFECTS OF SHORT-TERM EXPOSURE: Rapid evaporation of the liquid may cause frostbite. The substance may cause effects on the central nervous system.

ACUTE HAZARDS/SYMPTOMS

INHALATION Drowsiness. Unconsciousness.

SKIN ON CONTACT WITH LIQUID: FROSTBITE.

EYES ON CONTACT WITH LIQUID: FROSTBITE.

N O T E S High concentrations in the air cause a deficiency of oxygen with the risk of unconsciousness or death.

Sodium metasilicate:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

INHALATION RISK: Evaporation at 20 °C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

EFFECTS OF SHORT-TERM EXPOSURE: Corrosive. The substance is corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion.

ACUTE HAZARDS/SYMPTOMS

INHALATION Corrosive. Burning sensation. Sore throat. Cough. Laboured breathing.

SKIN Corrosive. Redness. Pain. Serious skin burns.

EYES Corrosive. Redness. Pain. Severe deep burns.

INGESTION Abdominal pain. Burning sensation. Shock or collapse.

LD50 (rat) Oral (mg/kg body weight) = 1280

Amine Oxide:

Skin contact: irritant

Eyes contact: irritant, risk of serious damages

LD50 (rat) Oral (mg/kg body weight) = 3600

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

Hydrocarbons, C3-4:

Toxicity to daphnia and other aquatic invertebrates

- LC50 Daphnia magna, 48h = 14,22 mg/l (butane)

Sodium metasilicate:

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.





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Special Remarks on the Products of Biodegradation: Not available.

Amine Oxide:

Toxicity to fish

- LC50 (fish): 1,5 mg/l

Toxicity to daphnia and other aquatic invertebrates

- EC50 (Daphnia magna, 48h): 46 mg/l

Toxicity to algae

- EC50 (Scenedesmus subspicatus, 72h): 110 mg/l

Very toxic to aquatic organisms.

Use according to good working practices to avoid pollution into the environment.

#### 12.2. Persistence and degradability

Related to contained substances:

Amine Oxide:

Biodegradability 100%.

#### 12.3. Bioaccumulative potential

Related to contained substances:

Hydrocarbons, C3-4:

1.09 to 2.80 log Pow (liquefied petroleum gas)

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

#### 12.6. Other adverse effects

No adverse effects

### SECTION13. Disposal considerations

#### 13.1. Waste treatment methods

The waste must be disposed of in compliance with the regulations in force delivering empty containers for final disposal and equipped to safely handle pressurized containers containing flammable liquids and gas waste. The empty container heated to temperatures exceeding 70 °C can burst.

Recover if possible. Operate according to local or national regulations

### SECTION14. Transport information

#### 14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1950

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg





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#### 14.2. UN proper shipping name

ADR/RID/IMDG: AEROSOL flammable  
ICAO-IATA: AEROSOL flammable

#### 14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class: 2  
ADR/RID/IMDG/ICAO-IATA: Label: Onu  
ADR: Tunnel restriction code: D  
ADR/RID/IMDG/ICAO-IATA: Limited quantities: 1 L  
IMDG - EmS: F-D, S-U

#### 14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: --

#### 14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous  
IMDG: Marine polluting agent: Not

#### 14.6. Special precautions for user

The transport must be carried out by authorized vehicles for the transport of dangerous goods in accordance with the requirements of the applicable Edition of the agreement A.D.R. and national provisions.  
The transport must be carried out in the original packaging and in packages that are made from materials resistant to content and not likely to generate with this dangerous reactions. The process of loading and unloading of dangerous goods have received adequate training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

### SECTION15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU, annex I, part 1

Control of Substances Hazardous to Health (COSHH), Regulations 2002

Regulation 2006/1907/EC (REACH), Regulation 2008/1272/EC (CLP).

#### 15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

### SECTION16. Other information

#### 16.1. Other information

Points modified compared to previous release: 1.1. Product identifier, 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 6.1. Personal precautions, protective equipment and emergency procedures, 7.1. Precautions for safe handling, 8.2. Exposure controls, 11.1. Information on toxicological effects, 12.1. Toxicity, 14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture



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### Description of the hazard statements exposed to point 3

H220 = Extremely flammable gas.  
H280 = Contains gas under pressure; may explode if heated.  
H314 = Causes severe skin burns and eye damage.  
H335 = May cause respiratory irritation.  
H315 = Causes skin irritation.  
H318 = Causes serious eye damage.  
H400 = Very toxic to aquatic life.  
H411 = Toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components

Main normative references:  
Regulation 1907/2006/EC  
Regulation 1272/2008/EC  
Regulation (EU) 2015/830

\*\*\* This tab annuls and replaces any previous edition.