



# SAFETY DATA SHEET

## SUPER HELP - FIRE STOP

Issued on 02/26/2014 - Rel. # 1 on 02/26/2014

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In conformity to Regulation (EC) No 453/2010 of 20 May 2010

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

#### 1.1. Product identifier

Product code : SUPER HELP - FIRE STOP  
Trades code : 2400

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

FLAME RETARDANT FLUID  
Private households (= general public = consumers)[SU21]  
Other products (use ConsExpo subcategories or UCN codes)

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 – Web: [www.super-help.com](http://www.super-help.com)

#### 1.4. Emergency telephone number

Centro Antiveleni Ospedale Niguarda (MI) - 0266101029 24 ore su 24

### SECTION2. Hazards identification

#### 2.1. Classification of the substance or mixture

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

Pictograms:  
GHS07

Hazard Class and Category Code(s):  
Eye Irrit. 2, Aerosol

Hazard statement Code(s):  
H319 - Causes serious eye irritation.  
H229 - Pressurised container: May burst if heated

2.1.2 Classification according to Directive 1999/45/EEC:

Classification:  
Nonhazardous

Nature of special risks attributed:  
None in particular.

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.  
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):  
GHS07 - Warning



Hazard statement Code(s):  
H319 - Causes serious eye irritation.  
H229 - Pressurised container: May burst if heated

Precautionary statements:

General

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.

Prevention

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

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.

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50° C. Do not pierce or burn, even after use.

### 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

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of risk phrases and hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Carbon dioxide	> 1 <= 5%			124-38-9	204-696-9	
Amides, coco, N-[3-(dimethylamino)propyl], N-oxides	> 1 <= 2%	Xi; R38 Xi; R41 N; R51/53 Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 2, H411		68155-09-9	268-938-5	

## SECTION4. First aid measures



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#### 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):

Wash thoroughly with soap and running water.

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

Wash immediately and thoroughly with running water for at least 10 minutes.

##### 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 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:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

#### 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.

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

## SECTION 6. 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 suitable gloves (PVC, butyl rubber, neoprene or similar) and protective clothing.

#### 6.1.2 For emergency responders:



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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 gloves 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:  
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

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also paragraph 8 below.  
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.

### 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.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.

### 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
- Avoid contact with eyes, skin, clothing
- Do not eat, drink or smoke when using
- Do not use in confined and/or limited spaces
- Use at a distance of 20 cm from the surface to be treated to prevent dispersion in the air



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### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Related to contained substances:

Carbon dioxide

TLV-TWA: 5000 ppm - 9000 mg/m<sup>3</sup> (ACGIH 2006)

TLV-STEL: 30000 ppm - 54000 mg/m<sup>3</sup> (ACGIH 2006)

MAK: 5000 ppm 9100 mg/m<sup>3</sup>

Peak limitation category: II(2) (DFG 2006)

#### 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).



Individual protection measures:

(a) Eye / face protection

Wear safety goggles to EN-166

(b) Skin protection

(i) Hand protection

Not needed for normal use.

(ii) Other

Avoid direct contact with the skin

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.

### SECTION 9. Physical and chemical properties

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

Physical and chemical properties	Value	Determination method
Appearance	liquid under pressure	VISUAL
Odour	characteristic	ORGANOLEPTIC
Odour threshold	not determined	
pH	not determined	CON PH-METER
Melting point/freezing point	< 0 °C	



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Physical and chemical properties	Value	Determination method
Initial boiling point and boiling range	100 °C	
Flash point	non-flammable	
Evaporation rate	not determined	
Flammability (solid, gas)	non-flammable	
Upper/lower flammability or explosive limits	non-flammable	
Vapour pressure	5 bar	
Vapour density	not determined	
Relative density	1 kg/l	
Solubility	insoluble in organic solvents	
Water solubility	soluble	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	irrelevant	
Decomposition temperature	irrelevant	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	
Container volume	650	ISO 90-3:2000
Product volume	400	ISO 90-3:2000
Pressure to 20 °C	5 bar	
Deformation pressure	16,5 bar	MANOMETER GAUGE
Burst pressure of the container	18 bar	MANOMETER GAUGE
Flash point of liquid phase	non-flammable	
Propellant inflammability	non-flammable	

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

Related to contained substances:

Carbon dioxide

The substance decomposes on heating above 2000°C producing toxic carbon monoxide.

### 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

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.



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#### 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 = 0,0 mg/kg

ATE(mix) dermal = 0,0 mg/kg

ATE(mix) inhal = 0,0 mg/l/4 h

- (a) acute toxicity: not applicable
- (b) skin corrosion/irritation: not applicable
- (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: not applicable
- (e) germ cell mutagenicity: not applicable
- (f) carcinogenicity: not applicable
- (g) reproductive toxicity: not applicable
- (h) specific target organ toxicity (STOT) single exposure: not applicable
- (i) specific target organ toxicity (STOT) repeated exposure: not applicable
- (j) aspiration hazard: not applicable

Related to contained substances:

Carbon dioxide

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

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

EFFECTS OF SHORT-TERM EXPOSURE: Rapid evaporation of the liquid may cause frostbite. Inhalation of at high levels may cause unconsciousness. Suffocation.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The substance may have effects on the metabolism.

ACUTE HAZARDS/SYMPTOMS

INHALATION Dizziness. Headache. Elevated blood pressure, increased heart rate. Suffocation. Unconsciousness.

SKIN On contact with liquid: frostbite.

EYES On contact with liquid: frostbite.

NOTES High concentrations in the air cause a deficiency of oxygen with the risk of unconsciousness or death. Check oxygen content before entering area. No odour warning if toxic concentrations are present. Turn leaking cylinder with the leak up to prevent escape of gas in liquid state.

Amides, coco, N-[3-(dimethylamino)propyl], N-oxides:

LD50 (rat) Oral (mg/kg body weight) = 2000

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

Amides, coco, N-[3-(dimethylamino)propyl], N-oxides

Toxicity to fish

- LC50 Barbus sp., 96h = 5,9 mg/l (literature value)

Toxicity to daphnia and other aquatic invertebrates

- EC50 Daphnia magna, 48h = 46 mg/l



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Toxicity to algae  
- EC50 *Scenedesmus subspicatus*, 96h = 341 mg/l  
C(E)L50 (mg/l) = 5,9

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

#### 12.2. Persistence and degradability

Related to contained substances:  
Amides, coco, N-[3-(dimethylamino)propyl], N-oxides  
70% (OECD 301B)

#### 12.3. Bioaccumulative potential

No data available.

#### 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

### SECTION 13. 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

### SECTION 14. Transport information

#### 14.1. UN number

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

#### 14.2. UN proper shipping name

AEROSOL asphyxiant

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

Class : 2

Label : 2.2

Tunnel restriction code : E

Limited quantities : 1 L

EmS : F-D, S-U





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#### 14.4. Packing group

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#### 14.5. Environmental hazards

Product is not environmentally hazardous  
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 96/82/EC (Seveso), annex I, part 2: category 8

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

Regulation 2006/1907/EC (REACH), Regulation 2008/1272/EC (CLP), Regulation 2009/790/EC.

#### 15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

### SECTION16. Other information

#### 16.1. Other information

Description of the sentences of risk set out in paragraph 3

R38 = Irritating to skin.

R41 = Risk of serious damage to eyes.

R51 = Toxic to aquatic organisms.

R53 = May cause long-term adverse effects in the aquatic environment.

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H411 = Toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components

Main normative references:

Directive 67/548/EEC (29th adaptation)

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC



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