

Date: 2.2.2014

Revision Date: 13.7.2004

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Identification of the substance or preparation****Trade Name**

Softcare Antistatic for clothes

**Code**

Reach registration number

**1.2. Use of the chemical****The intended uses of the chemical**

Prevention and removal of static electricity from textiles

**Standard industrial classification**

133, 812

**Use categories**

7 Antistatics

**The chemical can be used by the general public****The chemical is used by the general public only****1.3. Identification of the manufacturer, importer or other undertaking****Manufacturer, importer, other undertaking**

Oy Soft Protector Ltd

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**Postal code**

02820 Espoo

**Post-office box**

PL 100

**Postal code**

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**Telephone number**

+358 9 887 0430

**Telefax**

+358 9 853 7302

**Email**

info@softcare.fi

**Y-code**

0834157-1

**1.4. Emergency telephone**

Your local poisoning center

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

According to Regulation (EC) No1272/2008; Flammable liquids (Category 2), Eye irritation (Category 2), Specific target organ toxicity - single exposure (Category 3)

According to European Directive 67/548/EEC as amended; Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

**2.2 Label elements****Pictogram****Signal word**

Danger

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

F	Highly flammable
Xi	Irritant
R11	Highly flammable.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.
S 7	Keep container tightly closed.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### 2.3 Other hazards – none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous ingredients

CAS-No., EC-No., Index-No.	Ingredient	Concentration	Classification
67-63-0 603-117-00-0	Isopropyl alcohol	> 90 %	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; H225, H319, H336 F, Xi, R11 - R36 - R67

## 4. FIRST AID MEASURES

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>If swallowed</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. FIRE-FIGHTING MEASURES

### 5.1. Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

### 5.2. Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

### 7.2. Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Exposure limit values

#### HTP-values

Isopropyl alcohol	HTP-value 8 h, 200 ppm, 500 mg/m <sup>3</sup> HTP-value 15 min, 250 ppm, 620 mg/m <sup>3</sup>
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#### DNEL

#### PNEC

**8.2. Personal protective equipment****Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye protection** Face shield and safety glasses

**Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. General information**

<b>Appearance</b>	colourless liquid
<b>Odour</b>	alcohol-like
<b>Melting point</b>	-89,5 °C
<b>Boiling point</b>	82,5 °C
<b>Flashpoint</b>	12 °C
<b>Explosion limits</b>	Lower explosion limit 2 % (V), upper 12,7 % (V)
<b>Vapour pressure</b>	4,32 kPa (20,0 °C), 5,87 kPa (25,0 °C)
<b>Density</b>	830 kg/m <sup>3</sup>
<b>Solubility</b>	Water soluble
<b>Partition coefficient: n-octanol/water</b>	log Pow: 0,05
<b>Ignition temperature</b>	425 °C

**9.2. Other information****10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids
<b>Hazardous decomposition products</b>	In fire: Carbon oxides

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Isopropyl alcohol:	LD <sub>50</sub> (Oral - rat) > 4400 mg/kg
	LD <sub>50</sub> (Dermal - rabbit) > 12800 mg/kg

**Skin corrosion/irritation**

Skin - rabbit - Mild skin irritation

**Serious eye damage/eye irritation**

Eyes - rabbit - Eye irritation - 24 h

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

May cause damage to organs.

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
Vapours may cause drowsiness and dizziness.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** Causes eye irritation.

**Signs and Symptoms of Exposure**

Central nervous system depression, prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects.

**Additional Information** RTECS: NT8050000

**12. ECOLOGICAL INFORMATION****Toxicity**

Toxicity to fish	LC <sub>50</sub> (Pimephales promelas, fathead minnow, 96h)	9640 mg/l
Toxicity to aquatic invertebrates	EC <sub>50</sub> (Daphnia magna, water flea, 24h)	5102 mg/l
Toxicity to algae	EC <sub>50</sub> (Desmodesmus subspicatus, green algae, 72h)	> 2000 mg/l

**Persistence and degradability** no data available

**Bioaccumulative potential** no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging** Dispose of as unused product.

**14. TRANSPORT INFORMATION****14.1. ADR/RID**

UN-number: 1219  
 Class: 3  
 Packing group: II  
 Proper shipping name: ISOPROPANOL

**14.2. IMDG**

UN-number: 1219  
 Class: 3  
 Packing group: II  
 Marine pollutant: No  
 Proper shipping name: ISOPROPANOL

**14.3. IATA**

UN-number: 1219  
 Class: 3  
 Packing group: II  
 Proper shipping name: ISOPROPANOL

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**16. OTHER INFORMATION****Text of H-code(s) and R-phrase(s)**

Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
STOT SE	Specific target organ toxicity - single exposure
F	Highly flammable
Xi	Irritant
R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

**Further information**

**Trade name:** Softcare Antistatic for clothes

**Date:** 2.2.2014

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The above information is believed to be correct but not all inclusive and shall be used only as a guide. The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.