

# MATERIAL SAFETY DATA SHEET

(conforming to E.E.C. directive 2001/58)

## AIR CONDITIONER SPRAY

Date of print : 10/10/08

date / revised : 10 October 2008

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### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

1.1 Product name : **AIR CONDITIONER SPRAY**

1.2 Use: cleaner deodoriser for air conditioning systems

1.3 Company data :

1.3.1 Name : SYNT CHEMICAL s.r.l.

1.3.2 Address : Via Gagliani , 5 - 40069 Zola Predosa (Bologna)

1.3.3 Telephone : +39 051 752332

1.3.4 Fax : +39 051 754945

1.4 Emergency telephone : Ospedale Di Niguarda - Milano Centro Anti Veleni Tel : 02 66101029

### 2. HAZARD IDENTIFICATION

Classification / main physical-chemical dangers/negative effects for health and environment/etc.

Product classified as hazardous.

Main risks for health (also in case of improper use) : the danger of the product is linked to its degree of flammability.

Main environmental risks (also if product used incorrectly): the main threat posed by the product arises from the possibility of its being discharged into surface watercourses without treatment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

General description of compounds, their concentrations and dangers:

<i>Compounds' chemical name</i>	<i>Range of concentration %</i>	<i>Symbol</i>	<i>R phrases</i>	<i>CAS No.</i>
Isopropyl alcohol	10-15	F - Xi	R11 R36 R67	67-63-0
Propane Butane	15-30	F	R12	68476-85-7

Refer to point 16 for complete legend of risk phrases

### 4. FIRST-AID MEASURES

4.1 General advice : in case of doubt or if symptoms persist, call in a doctor, with the product's safety sheet at hand.

Do not administer any substances through the mouth to unconscious persons.

4.2 First-aid in case of:

4.2.1. Swallowing : an unlikely danger as this is an aerosol product.

4.2.2. Inhaling : take the person immediately into the fresh air. If the complaint persists, seek specialist medical care..

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4.2.3. Skin contact: in case of contact with skin wash with plenty of water and soap. Skin reddening can be caused by the cooling of propellant gas.

4.2.4. Eye contact : wash thoroughly with water for at least fifteen minutes. If the complaint persists, seek specialist medical care.

### 5. FIRE-FIGHTING MEASURES

Particular risks : aerosol product in the easily inflammable class.

5.1 Suitable extinguishing media:

Carbon dioxide, dry chemical powders, alcohol resistant foam. Water sprays can be used to cool surfaces of containers exposed to heat from the fire.

5.2 Extinguishing media not to be used for safety reasons : water sprays

5.3 Special exposure dangers linked to substance, products of combustion or fumes produced : avoid inhaling fumes.

5.4 Special protective equipment for fire-fighting team: use respiratory equipment.

### 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions (refer also to point 8):

Pressurized container. Do not expose to temperatures over 50°C. Extinguish all naked flames, avoid sparks. Do not smoke.

Use personal protective clothing depending the entity of spreading. For example gloves, protective glasses, anti-solvents masks.

6.2 Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface/ waters/ groundwater.

6.3 Methods for cleaning up or taking up (refer also to point 13):

Pick up with suitable absorbent material. Dispose of absorbed material in accordance with local regulations.

### 7. HANDLING AND STORAGE

7.1 Handling : use in well ventilated places only. Do not perforate the container, nor burn it after use. Do not vaporise it over a flame or incandescent body. Do not inhale directly or spray in the eyes. Extinguish all naked flames, avoid sparks. Do not use too much product. If using the product indoors, air well after using.

7.2 Storage : do not expose to temperatures of over 50°C. Keep in a cool, ventilated place. Avoid naked flames and sparks in the storage area.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### 8.1 Limit exposure value:

control isopropyl alcohol concentration in the work place. TLV-TWA = 200 ppm.

### 8.2 Control of exposure:

#### 8.2.1 Control of professional exposure:

8.2.1.1 Respiratory protection : none for normal use.

8.2.1.2 Hand protection : none for normal use.

8.2.1.3 Eye protection : none for normal use.

8.2.1.4 Skin protection : none for normal use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General information

Form	Pressurised liquid
Color	Colourless
Odour	perfumed

### 9.2 Important information about human health, safety and environment

PH of base	Not determined
Boiling point of base	Begins at 78°C
Melting point	Not determined
Flash point of base	13° C
Partition Coefficient n-Octanol/Water	N.D.
Explosion properties	none
Vapour pressure at 20°C	3 bar
Density at 20°C	0,73
Solubility in water	Soluble
Solubility in oil	Partial

### 9.3 Other informations: none

## 10. STABILITY AND REACTIVITY

10.1 Conditions to be avoided : avoid to heat the product over 50° C.

10.2 Substances to be avoided : oxidising substances.

10.3 Hazardous decomposition products: none under normal storage and use conditions.

## 11. TOXICOLOGICAL INFORMATION

11.1 Information about the different ways of exposures.

Inhalation:

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exposure at high concentration of fumes may be irritating to respiratory tracts.

Ingestion:

an unlikely danger as this is an aerosol product.

Contact with skin:

single, prolonged exposure will probably not cause the product to be absorbed through the skin in dangerous quantities.

Contact with eyes:

The product may be irritating.

### 12. ECOLOGICAL INFORMATION

#### 12.1 Mobility

The product is easily diluted in water

#### 12.2 Persistence and degradability:

Surfactants : absents

Information for wastewater treatment : none

Use according to correct workplace practice, avoiding release of the product into the environment.

The products contains dangerous components for environment; avoid that cans with residual of products can be released into environment.

### 13. DISPOSAL CONSIDERATIONS

Elimination information / EC and national regulations.

As required by rules and regulations of each interested Country.

Disposal of the material : burn in a special incinerator under carefully controlled conditions, in compliance with the local and national regulations in force.

Disposal of the container : wash the empty container in order to recover all product residues; the washed container can then be recycled or disposed of by incineration.

### 14. TRANSPORT INFORMATION

Transport classification

ADR Class 2 5F UN 1950 "AEROSOLS L.Q. ADR"

IMDG code : 2 UN n° 1950

Packaging Group : II - EMS : Emergency schedule F-D,S-U - MFAG : non classified

### 15. REGULATORY INFORMATION

Regulations of the classification following directives of dangerous substances :

X

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CE Classification :

not hazardous

hazardous

Hazard symbol(s) : F<sub>+</sub>



R-phrases(s) :

R 12 Extremely flammable.

S-phrases(s) :

S 2 Keep out of the reach of children.

general warnings for aerosol spray

The product is classified as hazardous and therefore the user must evaluate the chemical risk potentially arising from use of the product, as prescribed by the Regulation in force. Such an evaluation must take into account not only the hazard category, but also the amounts used, the method of use and the collective and individual protective measures taken by the user of the product.

### 16. OTHER INFORMATION

Important information for safety, health and environment:

Text for R-phrases:

R11 Highly flammable.

R12 Extremely flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

Advertising of Professional formation

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

The user is responsible for taking all the necessary measures for compliance with descriptions of safety data sheet, and general safety and hygiene measures. Handle in accordance with good industrial hygiene and safety practice.

The product must not be used for purposes different from those specified in section 1,

Other information:

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