

MATERIAL SAFETY DATA SHEET

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

Coffe Machine Descaler & Iron Descaler

Date of print 13/07/15 date / revised : 12-03-2007

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1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

1.1 Product name : **COFFE MACHINE DESCALER & IRON DESCALER**

1.2 Use: Coffe machine descaler and iron descaler

1.3 Company data :

1.3.1 Name : SYNT CHEMICAL s.r.l.

1.3.2 Adress : Via XXV Aprile 4/b 20030 Senago MI

1.3.3 Telephone : +39 02 9981050

1.3.4 Fax : +39 02 99010874

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

General description of compounds, their concentrations and dangers:

none

3. HAZARD IDENTIFICATION

Product classified as non hazardous

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

Main risks for health (also in case of improper use) : may irritate the skin.

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 even if the product is biodegradable.

4. FIRST-AID MEASURES

4.1 General advice : in case of doubt or if symptoms persists, 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 : give water to drink as desired

4.2.2. Inhalation : remove victim from contaminated area, and keep warm and at rest in a well-aired environment.

4.2.3. Contact with skin : wash immediately with plenty of running water.

4.2.4. Contact with eyes : in case of contact with eyes, rinse with plenty of water for at least fifteen minutes.

5. FIRE-FIGHTING MEASURES

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Particular risks :

5.1 Suitable extinguishing media:

Carbon dioxide, dry chemical powders, water fog. 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 : none.

5.3 Special exposure dangers linked to substance, products of combustion or fumes produced : none.

5.4 Special protective equipment for fire-fighting team: none.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions (refer also to point 8):

Use personal protective clothing depending the entity of spreading. For example gloves, protective glasses, protective garments.

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. After collecting the spilled material, clean the affected area and materials with water.

7. HANDLING AND STORAGE

7.1 Handling : Avoid contact with the eyes and skin.

7.2 Storage : store the product in a dry and well ventilated area.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Limit exposure value:

8.2 Control of exposure: not required .

8.2.1 Control of professional exposure: not required.

8.2.1.1 Respiratory protection : none for normal use.

8.2.1.2 Hand protection : none for normal use. wear protective gloves for long uses. The gloves are to be changed at first wear and tear signs. Wear gloves after a good hand cleaning action. The choice of gloved depends also from conditions of use and its needed to follow manufacturer declarations. In any case refer to UNI-EN 374 directive.

8.2.1.3 Eye protection : none for normal use. Wear glasses for jobs involving use of large quantities of product.. If necessary refer to UNI-EN 166 directive

8.2.1.4 Skin protection : wear suitable garments for protection against possible splashes during prolonged use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Form	liquid
Colour	colourless
Odour	odourless

9.2 Important information about human health, safety and environment

pH	1,6
Boiling point/interval of base	starting 100°C (water)
Melting point	less -1°C
Flash point	not flammable
n-octanol/water partition coefficient	Undefined
Self-flammability	N.D.
Explosive properties	none
Vapour pressure at 20°C	not determinable
Relative density at 20°C	1,08
Solubility in water	Soluble
Solubility in oil	

9.3 Other information: 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 agents.

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

11. TOXICOLOGICAL INFORMATION

11.1 Information about the different ways of exposures.

Inhalation: minimal hazard, because the substances are non volatile.

Ingestion: acute toxicity limit : LD50 (oral, rat) 58,5 g/kg.

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 is irritating by contact to the skin and eyes .

12. ECOLOGICAL INFORMATION

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12.1 Mobility

The product is easily diluted in water

12.2 Persistence and degradability:

readily biodegradable.

Information for wastewater treatment : neutralisation with lime and treatment with active carbon.

Use according to correct workplace practice, avoiding release of the product into the 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 : not classified as hazardous under transport regulation

IMO: not classified as hazardous under transport regulation

15. REGULATORY INFORMATION

Regulations of the classification following directives of dangerous substances :

CE Classification : not hazardous hazardous

Substance chemical name :

Hazard symbol(s) : none

S-phrase(s) : S2 Keep out of the reach of children.

16. OTHER INFORMATION

Important information for safety, health and environment:

Text for R-phrases:

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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,

Others informations:

