

# ANTIDROP

## MSDS Information

### Material Safety Data Sheet

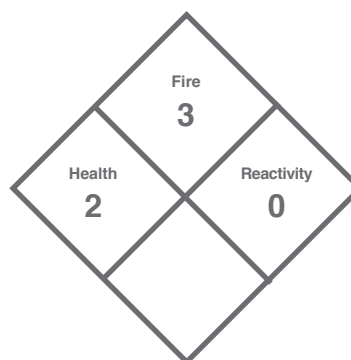
#### Product Name: ANTIDROP

Emergency Number - INDUSTRIA CHIMICA REGGIANA spa Tel.

0522-517803

Revision Date: 6/2/2003

Pages: 7



VMC  
TECHNICAL ASSISTANCE CORPORATION

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#### SECTION 1

#### CHEMICAL PRODUCT IDENTIFICATION

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name ANTIDROP

Trade code : L17

Product type and use: Water and oil repellent for marble, granite and stones

Supplier:

Ind. Chimica Reggiana spa Via Gasparini,7 42100 REGGIO EMILIA

Emergency telephone number of the company and/or of an authorised advisory centre:

INDUSTRIA CHIMICA REGGIANA spa Tel. 0522-517803

#### SECTION 2

#### COMPOSITION OF INGREDIENTS

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

75% - 100% ethyl acetate

N.67/548/EEC: 607-022-00-5 Cas: 141-78-6 EINECS: 205-500-4

F Xi R11 R36 R66 R67

10% - 12.5% solvent naphtha (petroleum),light aromatic

N.67/548/EEC: 649-356-00-4 Cas: 64742-95-6 EINECS: 265-199-0

N Xn R10 R37 R51/53 R65

7% - 10% 1,2,4-trimethylbenzene

N.67/548/EEC: 601-043-00-3 Cas: 95-63-6 EINECS: 202-436-9

N Xn R10 R20 R36/37/38 R51/53

1% - 3% butanone; ethyl methyl ketone

N.67/548/EEC: 606-002-00-3 Cas: 78-93-3 EINECS: 201-159-0

F Xi R11 R36 R66 R67

0.1% - 1% mesitylene; 1,3,5-trimethylbenzene

N.67/548/EEC: 601-025-00-5 Cas: 108-67-8 EINECS: 203-604-4

N Xi R10 R37 R51/53

0.1% - 1% cumene [1]

N.67/548/EEC: 601-024-00-X Cas: 98-82-8 EINECS: 202-704-5

N Xn R10 R37 R51/53 R65

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## SECTION 3

## HAZARDS IDENTIFICATION

### HAZARDS IDENTIFICATION

THE PRODUCT EASILY CATCHES FIRE IF IT IS EXPOSED TO AN IGNITION SOURCE.  
IF BROUGHT INTO CONTACT WITH THE EYES, THE PRODUCT CAUSES CONSIDERABLE IRRITATION WHICH CAN LAST FOR OVER 24 HOURS.

THE PRODUCT IS HARMFUL: IT CAN CAUSE DAMAGE TO THE LUNGS IF SWALLOWED.  
REPEATED EXPOSURE TO THE PRODUCT CAN CAUSED THE SKIN TO BECOME DRY AND CHAPPED.

THE VAPOURS ISSUED BY THE PRODUCT CAN CAUSE DROWSINESS AND VERTIGO IF INHALED.  
HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

## SECTION 4

## FIRST AID MEASURES

### CONTACT WITH SKIN:

IMMEDIATELY TAKE OFF ALL CONTAMINATED CLOTHING.  
AREAS OF THE BODY THAT HAVE - OR ARE ONLY EVEN SUSPECTED OF HAVING - COME INTO CONTACT WITH THE TOXIN MUST BE RINSED IMMEDIATELY WITH PLENTY OF RUNNING WATER AND POSSIBLY WITH SOAP.

### CONTACT WITH EYES:

WASH IMMEDIATELY AND THOROUGHLY WITH RUNNING WATER, KEEPING EYELIDS RAISED, FOR AT LEAST 10 MINUTES. FOLLOWING THIS, PROTECT THE EYES WITH STERILE GAUZE OR A CLEAN, DRY, HANDKERCHIEF. OBTAIN A MEDICAL EXAMINATION.

### SWALLOWING:

DO NOT UNDER ANY CIRCUMSTANCES INDUCE VOMITING. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.  
A SUSPENSION OF ACTIVATED CHARCOAL IN WATER, OR LIQUID PETROLATUM MAY BE ADMINISTERED.

### INHALATION:

VENTILATE THE PREMISES. THE PATIENT IS TO BE REMOVED IMMEDIATELY FROM THE PREMISES CONTAMINATED AND MADE TO REST IN A WELL VENTILATED AREA. SHOULD THE PATIENT FEEL UNWELL, CONSULT A PHYSICIAN.

## SECTION 5

## FIRE-FIGHTING MEASURES

### RECOMMENDED EXTINGUISHERS:

CO2 OR DRY CHEMICAL FIRE EXTINGUISHER.

### EXTINGUISHERS NOT TO BE USED:

NONE IN PARTICULAR.

### RISKS ARISING FROM COMBUSTION:

AVOID INHALING THE FUMES.

### PROTECTIVE EQUIPMENT:

USE PROTECTION FOR THE AIRWAYS.

COOL THE CONTAINERS EXPOSED TO THE FIRE WITH WATER.

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#### SECTION 6

#### ACCIDENTAL RELEASE MEASURES

MEASURES FOR PERSONAL SAFETY:

USE A MASK, GLOVES AND PROTECTIVE CLOTHING.

ENVIRONMENTAL MEASURES:

LIMIT LEAKAGES WITH EARTH OR SAND.

ELIMINATE ALL UNGUARDED FLAMES AND POSSIBLE SOURCES OF IGNITION. DO NOT SMOKE.

IF THE PRODUCT HAS ESCAPED INTO A WATER COURSE, INTO THE DRAINAGE SYSTEM, OR HAS

CONTAMINATED THE GROUND OR VEGETATION, NOTIFY THE COMPETENT AUTHORITIES.

CLEANING METHODS:

RAPIDLY RECOVER THE PRODUCT. TO SO DO, WEAR A MASK AND PROTECTIVE CLOTHING.

IF THE PRODUCT IS IN A LIQUID FORM, STOP IT FROM ENTERING THE DRAINAGE SYSTEM.

RECOVER THE PRODUCT FOR RE-USE IF POSSIBLE, OR FOR ELIMINATION. THE PRODUCT MIGHT,  
WHERE

APPROPRIATE, BE ABSORBED BY INERT MATERIAL.

#### SECTION 7

#### HANDLING AND STORAGE

HANDLING PRECAUTIONS:

AVOID CONTACT AND INHALATION OF THE VAPOURS. SEE, TOO, PARAGRAPH 8 BELOW.

DO NOT EAT OR DRINK WHILE WORKING.

DO NOT SMOKE WHILE WORKING.

INCOMPATIBLE MATERIALS:

NONE IN PARTICULAR.

STORAGE CONDITIONS:

KEEP AWAY FROM UNGUARDED FLAME, SPARKS, AND HEAT SOURCES. AVOID DIRECT

EXPOSURE TO

SUNLIGHT.

INSTRUCTIONS AS REGARDS STORAGE PREMISES:

COOL AND ADEQUATELY VENTILATED.

#### SECTION 8

#### EXPOSURE CONTROL/PERSONAL PROTECTION

PRECAUTIONARY MEASURES:

GIVE ADEQUATE VENTILATION TO THE PREMISES WHERE THE PRODUCT IS STORED AND/OR  
HANDLED.

RESPIRATORY PROTECTION:

REQUIRED WHERE VENTILATION IS INSUFFICIENT OR EXPOSURE IS PROLONGED.

USE ADEQUATE PROTECTIVE RESPIRATORY EQUIPMENT.

PROTECTION FOR HANDS:

USE PROTECTIVE GLOVES.

EYE PROTECTION:

NOT NEEDED FOR NORMAL USE.

PROTECTION FOR SKIN:

USE CLOTHING THAT PROVIDES COMPREHENSIVE PROTECTION TO THE SKIN.

EXPOSURE LIMITS OF THE SUBSTANCES CONTAINED:

NAME	TLV-TWA	TLV - STEL
ETHYL ACETATE	200-300 PPM	300-350 PPM
BUTANONE; ETHYL METHYL KETONE	200 PPM	300 PPM

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#### SECTION 9

#### PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOUR: TRANSPARENT FLOWING COMPOUND

ODOUR: TYPICAL OF THINNER

BOILING POINT: 77° C.

FLASH POINT: -4°C.

#### SECTION 10

#### STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

STABLE UNDER NORMAL CONDITIONS.)

SUBSTANCES TO AVOID:

AVOID CONTACT WITH BURNING MATERIALS. THE PRODUCT COULD CATCH FIRE.

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE.

#### SECTION 11

#### TOXICOLOGICAL INFORMATION

THE CONCENTRATION OF EACH SUBSTANCE SHOULD BE BORNE IN MIND IN ASSESSING THE TOXOLOGICAL

EFFECTS DERIVING FROM THE PREPARATION.

SET OUT BELOW IS THE TOXOLOGICAL INFORMATION RELATING TO THE MAIN SUBSTANCES IN THE PREPARATION.

ETHYL ACETATE

TOXICOLOGICAL INFORMATION

OBSERVATIONS IN MAN:

400 PPM: IRRITATING FOR THE EYES.

SERIOUS TOXIC EFFECTS AT 2000 PPM/60 MIN, SYMPTOMS OF DISCOMFORT AT 800 PPM.

POWER TO IRRITATE THE EYES: LIQUID AND VAPOUR CAUSE IRRITATION AND TEMPORARY

DAMAGE TO THE

CORNEA.

POWER TO IRRITATE THE SKIN: REPEATED CONTACT WITH THE SUBSTANCE CAN CAUSE IRRITATION,

DELIPIDATION WITH CONSEQUENT DERMATITIS, ECZEMA AND SENSITIZING.

SWALLOWING: INHALATION WHILE SWALLOWING CAN CAUSE SERIOUS LESIONS TO THE LUNGS.

IT MAY

ALSO CAUSE NAUSEA, VOMITING, VERTIGO, CEPHALEA AND DEPRESSION. MASSIVE DOSES CAN ALSO

CAUSE COMA AND DEATH.

INHALATION: EXPOSURE TO THE VAPOUR IRRITATES THE FIRST AIRWAYS. IT CAN ALSO LEAD TO IRRITATION OF

THE LUNGS:

OTHER EFFECTS: ANEMIA, TRACHEITIS, DAMAGE TO THE LIVER.

CARCINOGENICITY: THE SUBSTANCE IS NOT CLASSIFIED AS BEING CARCINOGENIC.

TOXIC EFFECTS ON REPRODUCTION/DEVELOPMENT: NON-TOXIC.

BUTANONE; ETHYL METHYL KETONE

TOXICOLOGICAL INFORMATION

WAYS OF PENETRATING: INHALATION, THROUGH THE SKIN, BY DIGESTION.

TOXIC EFFECTS ON ORGANS AND APPARATUS:

SKIN: IRRITATION, ECZEMA, DELIPIDATION.

EYES: IRRITATION, KERATITIS, OPTIC NEURITIS.

LUNGS AND THE FIRST AIRWAYS: IRRITATION.

CENTRAL NERVOUS SYSTEM: NARCOSIS, DEPRESSION.

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DIGESTIVE APPARATUS: IRRITATION OF THE MUCOUS MEMBRANES AND VOMITING.  
OTHER EFFECTS: CEPHALEA, VERTIGO, SLUGGISHNESS AND PARALYSIS OF THE LIMBS AT HIGH CONCENTRATIONS; DAMAGE TO THE LIVER.  
EFFECTS ON REPRODUCTION: CAUSES LIGHT FETOTOXICITY IN RATS.  
EFFECTS ON MAN HAVE NOT BEEN OBSERVED FOLLOWING COMPLIANCE WITH THE EXPOSURE LIMIT  
VALUES ESTABLISHED BY ACGIH.

#### SECTION 12

#### ECOLOGICAL INFORMATION

ADOPT SOUND WORKING PRACTICES, SO THAT THE PRODUCT IS NOT RELEASED INTO THE ENVIRONMENT.

10% - 12.5% SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC

N.67/548/EEC: 649-356-00-4 CAS: 64742-95-6 EINECS: 265-199-0

R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

7% - 10% 1,2,4-TRIMETHYLBENZENE

N.67/548/EEC: 601-043-00-3 CAS: 95-63-6 EINECS: 202-436-9

R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

0.1% - 1% MESITYLENE; 1,3,5-TRIMETHYLBENZENE

N.67/548/EEC: 601-025-00-5 CAS: 108-67-8 EINECS: 203-604-4

R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

0.1% - 1% CUMENE [1]

N.67/548/EEC: 601-024-00-X CAS: 98-82-8 EINECS: 202-704-5

R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

#### SECTION 13

#### DISPOSAL CONSIDERATIONS

THE WASTE OF NON-POLYMERIZED MATERIAL MUST BE CONSIDERED AS "TOXIC AND HARMFUL" WASTE, BECAUSE THE PRESENCE OF ORGANIC SOLVENTS IS HIGHER THAN WHAT ALLOWED BY EUROPEAN LAWS.

THE EMPTY CONTAINERS MUST BE CONSIDERED SPECIAL WASTE MATERIALS (ART. 5 D.P.R. 915/82) TO TAKE

TO DUMP OF TYPE 2B. IF PREVIOUSLY CLEANSED, THEY CAN BE ADMITTED IN FIRST CLASS DUMPS.

RECOVER, IF POSSIBLE. SEND TO AUTHORISED DISPOSAL PLANTS OR FOR INCINERATION UNDER CONTROLLED

CONDITIONS. IN SO DOING, COMPLY WITH THE LOCAL AND NATIONAL REGULATIONS CURRENTLY IN FORCE.

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#### TRANSPORT INFORMATION

ROADS AND RAILWAYS (ADR/RID) CLASS: 3

CLASSIFICATION CODE : F1

ADR\_UN NUMBER : 1263

ADR\_PACKING\_GROUP : II°

LIMITED QUANTITIES, NOT LIABLE TO ADR NORMS FOR INTERNAL PACKAGES UP TO A CAPACITY OF 5 LITERS AND A MAXIMUM 20 LITER CONTENT PER PACK.

SEA (IMO) CLASS: 3.2

IMDG\_UN\_NUMBER : 1263

IMDG\_PACKING\_GROUP : II°

IMDG\_PAGE : 3268

IMDG\_LABEL : 3

IMDG\_EMS : 3-05

IMDG\_MFAG : 310

#### SECTION 15

#### REGULATORY INFORMATION

MINISTERIAL DECREE DM 28/1/92 (CLASSIFICATION AND LABELLING):

SYMBOLS:

XN HARMFUL

F HIGHLY FLAMMABLE

R PHRASES:

R11 HIGHLY FLAMMABLE.

R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

R66 REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

R36 IRRITATING TO EYES.

R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

S PHRASES:

S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

S62 IF SWALLOWED, DO NOT INDUCE VOMITING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

S24 AVOID CONTACT WITH SKIN.

S37 WEAR SUITABLE GLOVES.

CONTENTS:

SOLVENT NAPHTHA (PETROLEUM),LIGHT AROMATIC

WHERE APPLICABLE, REFER TO THE FOLLOWING REGULATORY PROVISIONS :

LAW 136/83 (BIODEGRADABILITY OF DETERGENTS).

PRESIDENTIAL DECREE D.P.R. 175/88 (SEVESO DIRECTIVE), APPENDICES II°, III° E IV°.

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#### SECTION 16

#### OTHER INFORMATION

TEXT OF R PHRASES REFERRED TO UNDER HEADING 2:

R11 HIGHLY FLAMMABLE.

R36 IRRITATING TO EYES.

R66 REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

R10 FLAMMABLE.

R37 IRRITATING TO RESPIRATORY SYSTEM.

R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

R20 HARMFUL BY INHALATION.

R36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

MAIN BIBLIOGRAPHIC SOURCES:

NIOSH - REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (1983)

I.N.R.S. - FICHE TOXICOLOGIQUE

CESIO - CLASSIFICATION AND LABELLING OF ANIONIC, NONIONIC SURFACTANTS (1990)

THE INFORMATION CONTAINED HEREIN IS BASED ON OUR STATE OF KNOWLEDGE AT THE ABOVE-SPECIFIED

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IT IS THE DUTY OF THE USER TO ENSURE THAT THIS INFORMATION IS APPROPRIATE AND COMPLETE WITH RESPECT

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