



SAFETY DATA SHEET

PRODUCT

CERA FLUIDA

LIQUID WAX FOR MARBLE AND GRANITE

COMPILATION DATE: OCTOBER, 1997

SECTION 1 IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURING COMPANY

1.01 NAME **CERA FLUIDA**
1.02 CHEMICAL DESCRIPTION MIXTURE OF WAXES, RESINS and SOLVENTS
1.03 MANUFACTURER ITALCINA CHEMICAL COMPANY LIMITED
4/FL, FLAT A, B, HARVARD COMMERCIAL BLDG, 105 THOMSON ROAD,
WANCHAI, HONG KONG
tel. 00852-2572 4381 fax 00852-2574 4504
www.anabms.com E-mail: info@anabms.com

SECTION 2 COMPOSITION / INFORMATION ON THE COMPONENTS

Substances contained which are harmful to health under directive 67/548/EEC and subsequent amendments, or for which there are recognized exposure limits.

| SUBSTANCE | % | CAS n. | EU n. | symbol | R phrases * |
|---|------|------------|--------------|--------|---------------|
| HYDRODESULPHURIZED HEAVY NAPHTA (from petrol) | < 90 | 64742-82-1 | 649-330-00-2 | Xn | 10 - 65 |
| 1-2 DICHLOROPROPANE | <10 | 00078-87-5 | 602-020-00-0 | Xn | 20 - 22 |
| 1,2,3 TRIMETHYLBENZENE | <3.1 | 00095-63-6 | 601-043-00-3 | Xn | 20 - 36/37/38 |
| XILENE | <1 | 01330-20-7 | 601-022-00-9 | Xn | 20/21 - 38 |

* key R 10 = Inflammable R 20/21/22 = Harmful for inhalation, contact with skin and ingestion
R 65 = Can cause pulmonary injuries R 36/37/38 = Irritant for eyes, respiratory organs and skin

THE REMAINING COMPONENTS ARE NOT CLASSIFIED AS DANGEROUS SUBSTANCES ACCORDING TO E.U. CLASSIFICATION

SECTION 3 HEALTH HAZARD INFORMATION

INFLAMMABLE: the liquid develops vapours that, if triggered, can fire at a temperature equal or higher to the flash point.
CAN CAUSE PULMONARY INJURIES IF INGESTED: also small quantities entered into the respiratory system because of ingestion or vomiting can cause chemical pneumonia or pulmonary edema.
CONTACT WITH THE EYES, INGESTION AND PROLONGED INHALATION COULD CAUSE IRRITATION.

SECTION 4 FIRST AID MEASURES

4.01 CONTACT WITH THE EYES WASH THE EYES WITH AN ABUNDANT AMOUNT OF WATER. IF THE IRRITATION PERSISTS CONSULT AN OPHTHALMOLOGIST.
4.02 CONTACT WITH THE SKIN WASH WITH ABUNDANT SOAP AND WATER THE CONTAMINATED PARTS OF THE BODY. REMOVE THE CONTAMINATED CLOTHING
4.03 IF INGESTED DO NOT INDUCE VOMITING AND CALL A DOCTOR AND SHOW HIM THE PRODUCT SAFETY DATA SHEET OR THE LABEL. IT IS POSSIBLE TO GIVE ACTIVE CARBON SUSPENDED IN WATER OR MEDICINAL VASELIN OIL
4.04 IF INHALED MOVE THE AFFECTED PERSON TO A WELL VENTILATED AREA AND KEEP HIM WARM. IN CASE OF MALAISE CONSULT A DOCTOR.
WARNING FOR THE DOCTOR: THE INSPIRATION INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONIA

SECTION 5 FIRE FIGHTING MEASURES

5.01 EXTINGUISHING CHEMICAL POWDERS, CARBON DIOXIDE, FOAMS.
5.02 PRECAUTIONS MOVE AWAY HEAT SOURCES OR SOURCES OF IGNITION
5.03 PERSONAL PROTECTION WEAR A GAS MASK OR, EVEN BETTER, A SELF-CONTAINED BREATHING APPARATUS



5.04 WARNINGS

The combustion can originate carbon oxide and carbon dioxide. The carbon oxide is highly toxic if inhaled; the carbon dioxide, in high concentrations, is asphyxiating because it reduces the concentration of oxygen. Thermal decompositions, at high temperatures, can originate highly toxic or corrosive substances (Chlorine, Hydrochloric acid, Phosgene).

SECTION 6 MEASURES TO BE TAKEN IN CASE OF LEAKS OR ACCIDENTAL SPILLS

- 6.01 CLEANUP VENTILATE WELL THE AREA. COLLECT THE PRODUCT WITH INERT MATERIALS. DISPOSE OF IT IN AUTHORIZED DUMP.
- 6.02 PERSONAL PRECAUTIONS WEAR PVC GLOVES AND SOLVENT MASK.
- 6.03 PRECAUTIONS MOVE AWAY HEAT SOURCES, SOURCES OF IGNITION OR SPARKS. THE VAPOURS, HEAVIER THAN AIR CAN ORIGINATE RISK OF EXPLOSION IN BASEMENTS AND DITCHES. AVOID THE PRODUCT FLOW DOWN THE SEWER SYSTEM. If the product has flown down the sewer system or watercourse, or has contaminated ground and vegetation inform the competent authorities.

SECTION 7 HANDLING AND STORAGE

- 7.01 HANDLING MAKE SURE THAT THE AREA IS VENTILATED. AVOID THE INHALATION OF THE VAPOURS. DO NOT SMOKE AND DO NOT EAT OR DRINK WHILE WORKING. COMPLY WITH THE MEASURES IN SECTION 8 AND WITH PERSONAL HYGIENE PRACTICES.
- 7.02 STORAGE STORE THE PRODUCT IN CLOSED CONTAINERS IN COOL PLACES FAR FROM HEAT AND SPARKS SOURCES.

SECTION 8 CONTROLLING EXPOSURE - PERSONAL PROTECTION

- 8.01 RESPIRATORY PROTECTION NOT COMPULSORY PROTECTION IF THE ROOM IS WELL VENTILATED. IN CASE OF INSUFFICIENT VENTILATION WEAR SOLVENT-MASK EQUIPPED WITH FILTER FOR ORGANIC VAPOURS.
- 8.02 HAND PROTECTION IT IS SUGGESTED TO WEAR PLASTIC OR SYNTHETIC RUBBER SOLVENT-PROOF GLOVES.
- 8.03 EYES PROTECTION WEAR SAFETY GOGGLES OR A FACIAL PROTECTION SAFETY HELMET.
- 8.04 SKIN PROTECTION WEAR PROTECTIVE CLOTHING.
- 8.05 EXPOSURE LIMITS
- | | | |
|---------------------|--|---------------------------------------|
| 1-2 DICHLOROPROPANE | : TLV-TWA 75 ppm (347 mg/m ³) | STEL 110 ppm (508 mg/m ³) |
| NAPHTA | : TLV-TWA 100 ppm (suggested) | |
| XYLENE | : TLV-TWA 100 ppm (434 mg/m ³) | STEL 150 ppm (651 mg/m ³) |

SECTION 9 CHEMICAL AND PHYSICAL PROPERTIES

- 9.01 PHYSICAL STATE COLOURLESS LIQUID
- 9.02 pH (50% AQUEOUS) 6-7
- 9.03 MELTING POINT N.A.V.
- 9.04 BOILING POINT initial 96°C (204.8°F) final 200°C (392°F)
- 9.05 FLASH POINT 34°C (93.2°F) closed pot method
- 9.06 DENSITY at 25°C (77°F) 0.830
- 9.07 SOLUBILITY INSOLUBLE IN WATER. SOLUBLE IN ALL THE MAIN ORGANIC SOLVENTS
- 9.08 PERCENTAGE OF ACTIVE SUBSTANCE > 9
- 9.09
- 9.10

SECTION 10 STABILITY AND REACTIVITY

- 10.01 PRECAUTIONS AVOID HEAT SOURCES, SOURCES OF IGNITION, AND STATIC ELECTRICITY BUILDUPS
- 10.02 MATERIALS TO BE AVOIDED STRONG OXIDIZING SUBSTANCES.
- 10.03 DANGEROUS DECOMPOSITION PRODUCTS NONE IF THE PRODUCT IS USED CORRECTLY
- 10.04 DANGEROUS REACTIONS HIGH VAPOUR CONCENTRATIONS COULD FORM EXPLOSIVE MIXTURES WITH AIR
- 10.99 NOTES STORED, HANDLED AND USED AS RECOMMENDED, THE PRODUCT IS STABLE.

SECTION 11 TOXICOLOGICAL INFORMATION

Bear in mind the concentration of each substance in order to evaluate the toxicological effects arising from the exposure to the compound.

1-2 DICHLOROPROPANE

| | | |
|--|---|--------------------------------------|
| 11.01 TWL = TWA = | 75 ppm 347 mg/m ³ | STEL = 110 ppm 508 mg/m ³ |
| 11.02 PENETRATION | INGESTION: YES | INHALATION: YES CONTACT: |
| 11.03 ACUTE ORAL TOXICITY | DL 50 = 1900 mg/kg (rat) | |
| 11.04 ACUTE INHALATION TOXICITY | CL 50 = | |
| 11.05 ACUTE DERMAL TOXICITY | DL 50 = 8750 mg/kg (rabbit) | |
| 11.06 CHRONIC TOXICITY | HEPATIC DAMAGE, RENAL DAMAGE | |
| 11.07 MUTAGENESIS, TERATOGENESIS | NO EVIDENCE IN LITERARURE | |
| 11.08 CANCEROGENENIS | NOT CLASSIFIED. SOME STUDIES POINTED OUT THE SUBSTANCE AS SUSPICIOUS FOR MEN AND ANIMALS | |
| 11.09 CORROSIVENESS, IRRITANT CAPABILITY | SLIGHTLY IRRITANT for SKIN (delipidization, dermatitis). EYES, RESPIRATORY PASSAGES (cephalea, sleepiness, narcosis, depression) | |

11.99 OTHERS

NAPHTA (FROM PETROL) HYDRODESULPHURIZED

| | | |
|--|---|--------------------------|
| 11.01 TWL = | TWA = 100 ppm (suggested) | STEL = |
| 11.02 PENETRATION | INGESTION: YES | INHALATION: YES CONTACT: |
| 11.03 ACUTE ORAL TOXICITY | DL 50 = | |
| 11.04 ACUTE INHALATION TOXICITY | CL 50 = | |
| 11.05 ACUTE DERMAL TOXICITY | DL 50 = | |
| 11.06 CHRONIC TOXICITY | | |
| 11.07 MUTAGENESIS, TERATOGENESIS | | |
| 11.08 CANCEROGENENIS | | |
| 11.09 CORROSIVENESS, IRRITANT CAPABILITY | SLIGHTLY IRRITANT for SKIN (low toxicity index; prolonged or frequent contacts can degrease and dry the skin). EYES (it is cause of uneasiness, but it doesn't damage the ocular tissue), RESPIRATORY PASSAGES (exposure to levels higher than those suggested can cause headache or other effects on the central nervous system) | |
| 11.99 OTHER: INGESTION | Also small quantities of liquid introduced into the respiratory system, because of ingestion or vomiting, can cause bronchopneumonia or pulmonary edema. | |

XYLENE

| | | |
|---|--|--------------------------------------|
| 11.01 TWL = | TWA = 100 ppm 434 mg/m ³ | STEL = 150 ppm 651 mg/m ³ |
| 11.02 PENETRATION | INGESTION: YES | INHALATION: YES CONTACT: YES |
| 11.03 ACUTE ORAL TOXICITY | DL 50 = 8700 ppm (rat) | |
| 11.04 ACUTE INHALATION TOXICITY | CL 50 = 6350 ppm (6 hours) | |
| 11.05 ACUTE DERMAL TOXICITY | DL 50 = 4350 ppm | |
| 11.06 CHRONIC TOXICITY | HEPATIC DAMAGE, RENAL DAMAGE, ANAEMIA, HEART DISEASE AND DISEASE TO THE CENTRAL NERVOUS SYSTEM. | |
| 11.07 MUTAGENESIS, TERATOGENESIS SUSPICIOUS | | |
| 11.08 CANCEROGENENIS NOT EVIDENCED | | |
| 11.09 CORROSIVENESS, IRRITANT CAPABILITY | SLIGHTLY IRRITANT for SKIN (delipidization, dermatitis, Not sensitizing). EYES (keratitis), RESPIRATORY PASSAGES (cephalea, sleepiness, vertigo) | |
| 11.99 OTHER: INGESTION | Also small quantities of liquid introduced into the respiratory system because of ingestion or vomiting can cause bronchopneumonia or pulmonary edema). | |

11.99 OTHERS

**SECTION 12 ECOLOGICAL INFORMATION**

12.01 DEGRADABILITY

12.02 BIOLOGICAL BUILDUP

INFORMATION NOT CURRENTLY AVAILABLE.

12.03 ECOLOGICAL TOXICITY

12.99 NOTES

SECTION 13 DISPOSAL

DO NOT DISCARD The PRODUCT IN THE ENVIRONMENT. DO NOT POUR IT INTO DRAINS OR WATER. DISPOSE OF IT IN AUTHORIZED PLANTS ACCORDING TO THE LAWS AND LOCAL REGULATIONS IN FORCE.

WARNING: The product contains organic derivatives of the chlorine.

DO NOT pour the product into the ground, waters, rivers, lakes or sea. DO NOT use again the dirty container. DO NOT pierce or cut or weld the container: it can contain hazardous residues.

SECTION 14 TRANSPORT INFORMATION

14.01 UN

UN 1866

14.02 ROAD TRANSPORT (ADR) CLASS

3.31c, Label 3, N° KEMLER 30

14.03 MARITIME TRANSPORT (IMCO) CODE.

UN 1866 Class 3, P.G. III EmS n° 3-05, (MFAG n° 310 - page 3379)

14.04 AIR TRANSPORT (IATA)

UN 1866 Class 3 PG III

14.05 RAIL TRANSPORT (RID)

CLASS 3.31c, Label 3, N° KEMLER 30

14.06 CUSTOMS TARIFF

3404-1000

SECTION 15 REGULATION/LABELING

15.01 HAZARD SYMBOL

Xn

15.02 R CLASSIFICATIONS

R 10 FLAMMABLE.

R 65 CAN CAUSE PULMONARY INJURIES IF INGESTED

15.03 S CLASSIFICATIONS

S 2 KEEP OUT FROM CHILDREN REACH.

S 9 STORE IN WELL-VENTILATED PLACE.

S 23 DO NOT BREATHE THE VAPOURS.

S 36/37 WEAR PROTECTING CLOTHING AND SUITABLE GLOVES.

S 62 IN CASE OF INGESTION DO NOT INDUCE VOMITING: CALL A DOCTOR AND SHOW HIM THE CONTAINER OR THE LABEL.

Contains: hydrodesulphurised heavy naphtha (from petrol)

SECTION 16 OTHER INFORMATION

THE PERSONNEL WHO WORK WITH THIS PRODUCT MUST BE INFORMED OF THE RISKS INVOLVED WITH HANDLING AND USING IT AND OF THE PROPER SAFETY AND INTERVENTION MEASURES.

Anti-poison centers:

BOLOGNA +39-051.533.133

MILAN +39-02.6610.1029

ROME +39-06.305.4343

key N.A. = not applicable

N.AV. = not available

N.C. = not classified

NOTES

The information on this sheet is based on our current knowledge and is also taken from bibliographies, tests, and safety sheets on the raw materials we use. It is not to be considered a specific product guarantee, but only suggestions and information regarding safety. Under no circumstances can our company be held responsible for the improper use of this product. It is the full and complete responsibility of the user to comply with current safety laws and regulations.