

SAFETY DATA SHEET
according to Decree 7th September 2002

N. U 02

Rev.0

Del 05/11/2004

Rif spec. U 02

rev. 0

PRODUCT: UNO POOL

Compilation date : November 2004

1. INFORMATIONS ABOUT THE PRODUCT AND THE PRODUCER**1.1) PRODUCT'S IDENTIFICATION**

Commercial name : UNO POOL

Use : coating for concrete structures

1.2) DATA ABOUT THE PRODUCER

Firm: SAIF S.P.A.

Address : Via Acqui n.31 – ALESSANDRIA (ITALIA) Telephone number : 0131 – 269207/8

Telephone number in case of emergency: 0131 – 269207/8

2. COMPOSITION/INFORMATIONS ABOUT INGREDIENTS

	N° EINECS	N° CAS	N° CE	AMOUNT %	SYMBOL	RISK 'S PHRASES
- chlorinated rubber (Chloro caoutchouc)				16-20	N	
- aromatic hydrocarbon		64742-95-6	265-199-0	20-23	Xn, Xi	20/21-38/10
- toluene		108-88-3	203-625-9	20-23	Xn-Xi	20/21-38/10
- butilglycol	203-905-0	111-76-2	603-014-00-0	1,35	Xn, Xi	20/21/22-36-38
- dichloropropan		78-87-5	201-152-2	4-5	Xn-F	20/22-11

Symbols :N = dangerous for
the environment

T = toxic

Xn = harmful

Xi = irritant

F= flammable

Risk's phrases :

R10 = inflammable

R22/21/22 = Harmful by inhalation, in contact with skin and if swallowed

R20/22 = Harmful by inhalation and if swallowed

R33 = Risk of cumulative effects

R36/38 = Irritating to eyes and skin

R50/53 = Very Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment

R61 = May damage natives

R62 = May reduce fertility

R65 = Harmful : if swallowed may damage lungs

R66 = may damage skin by prolonged exposure

R67 = inhalation may cause sleepiness and giddy spells

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3. IDENTIFICATION OF THE DANGERS

- Inflammable temperature of the product is 26 °C

- It's toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

- The product contains substances classified harmful, or irritant, but with individual concentration lower than the limit imposed by Directive 1999/45/CE about the determination of dangerous properties of the products.

4. FIRST AID INTERVENTIONS

- Skin contact: After contact with skin, wash immediately with plenty of water and soap

- Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes
Take off immediately all contaminated clothing
Seek medical advice

- Ingestion: Seek medical advice
Induce vomiting only by medical suggest

- Inhalation: Transfer the patient in ventilated areas
If he feels unwell, seek medical advice immediately

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5. FIRE SAFETY MEASURES

The product is classified inflammable.

FIRE – FIGHTING EQUIPMENT:

Dusts extinguisher, CO2, foam, vaporized water

WRONG EXTINCTION'S WAY:

Water's throws.

RISK FROM ESPOSITION :

Fumes of combustion are toxic: toxic gases (CO, NO, HCl) may also develop by thermal decomposition

PROTECTIVE WAYS:

Suitable respiratory equipment

PRECAUTIONS:

In case of fire, cool containers exposed at fire with water.

6. MEASURES IN CASE OF ACCIDENTAL DISPERSION**INDIVIDUAL PRECAUTIONS:**

Wear suitable gloves and protective clothing

ENVIRONMENTAL PRECAUTIONS:

Contain wastes with land or sand.

Eliminate all free flames and possible sources of ignition . No smoking.

If the product has flown in a water course or in the drains or has contaminated the soil or the vegetation, inform competent authorities.

CLEANING METHODS:

Disposal contaminated material in according to law in force.

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7. MANIPOLATION AND STORING**MANIPOLATION:**

Avoid the contact and inhalation of vapors.
 Don't eat or drink during the work. Don' t smoke.
 Avoid the accumulation of static discharges.

INCOMPATIBLE MATERIALS:

Avoid the contact with comburent materials: may cause the fire of the product.

STORING CONDITIONS:

Keep away from free flames, sparks and sources of ignition. Avoid direct sun exposition.

PLACES INDICATIONS:

Keep in a cool place and areated

8. PERSONAL PROTECTION / CONTROL OF THE EXPOSITION**- PERSONAL PROTECTION**

RESPIRATORY WAYS PROTECTION : Any particular respiratory equipment isn't necessary for the normal use of the product.

HANDS PROTECTION : Wear suitable gloves

EYES PROTECTION : Wear suitable glasses to avoid squirts in the eyes.

SKIN PROTECTION : Isn't necessary any particular protection.

PRECAUTIONAL MEASURES : Work according to good practices and observe safe measures generally valid for chemical product.

EXPOSITON CONTROL :**SUBSTANCE**

butilglycol

EXPOSITION LIMITS

comunitary indicative limit: 97 MG/MC (8 h)

dichloropropan

TLV TWA 347,000 MG/M3 ACGIH

TLV STEL 508,000 MG/M3 ACGIH

toluene

TLV TWA 188,000 MG/M3 ACGIH

9. CHEMICAL AND PHYSICAL MEASURES:

Physical form : VISCOSIT LIQUID
 Colour : LIGHT BLU
 Smell : SOLVENT SMELL
 Viscosity : 15.000 cps
 Specific weight : 1,30 gr/cc
 Inflammable point : 26°C
 Comburent power : it isn't comburent

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10. STABILITY AND REACTIVITY

The product is stable in normal conditions.

Avoid the contact with comburent materials : the product may catch fire.

11. TOSSICAL INFORMATIONS

It refers informations about principal ingredients of the product :

- CHLORINATED RUBBER (Chloro caoutchouc):

May damage skin by prolonged exposure .

Inhalation of the vapours may cause dizziness and sleepiness.

- AROMATIC SOLVENTS

If swallowed may cause depression of the central nervous system with headache, dizziness, sleepiness, muscular weakness, coordination programs, fatigue, confused vision and way of speaking .

If swallowed may also cause abdominals pains with nausea and vomit.

- BUTILGLYCOL.

Inhalation causes nausea, vomit, headache

LD 50 oral (rat) = 450 ppm (4 ore)

12. ECOLOGICAL INFORMATIONS

Avoid scatter the product in the environment .

The product is toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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13. DISPOSAL

PRODUCT DISPOSAL : collect it in plastic containers and consider it like industrial waste

CONTAINERS DISPOSAL : empty container must be washed and considered industrial waste or recycle residuals

14. INFORMATIONS ABOUT THE TRANSPORT

Road and rail transport (ADR/RID) : Class 3
 Packaging group: III
 ONU Code: 1263
 Kember number : 30
 Label number : 3

Air transport (ICAO/IATA) : Class 3

Maritime transport (IMAG/IMO) : Class 3.3
 IMAG page 3372

15. INFORMATIONS ABOUT LAW

Classification in law to Directive 1999/45/CE of 31st May 1999.

SYMBOLS : N = Dangerous for the environment
 Xn = Harmful
 F = flammable

PHRASES R : 10 = Inflammable
 11 = Easily flammable
 51 = Toxic to aquatic organisms,
 53 = May cause long-term adverse effects in the aquatic environment
 65 = If swallowed may damage lungs

PHRASES S : 29 = Do not empty into drains
 35 = This material and its container must be disposed of in a safe way
 43 = In case of fire, use dusts extinguisher, CO2, foam, vaporized water
 61 = Avoid release to the environment. Refer to special instructions safety data sheet
 62 = Do not induce vomiting: seek medical advice immediately and show this container or label.

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16. OTHER INFORMATIONS

THE DATA REPORTED ARE BASED ON OUR ACTUAL KNOWLEDGE, DON'T RAPPRESENT ANY GARANCY OF THE CHARATCTERISTICS OF THE PRODUCT AND DON'T JUSTIFY ANY LEGAL CONTRACTUAL RELATION.