

**SAFETY DATA SHEET**

Date of issue: 09.10.2007

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Identification of the substance/mixture: IMPREGNATE AQUA**

**1.2. Use of the substance/mixture:** Frost-resistant Impregnate which have a "wet stone effect". Designed for protect outside and indoor of buildings before water, fats and others liquid.

**1.3. Company/undertaking identification:** NOVOL Sp. z o.o. Tel: +48 61 810-98-00  
ul. Żabikowska 7/9 Fax: +48 61 810-98-09  
PL 62-052 Komorniki [www.novol.pl](http://www.novol.pl)

**Competent person responsible for the Safety Data Sheet:** [dokumentacja@novol.pl](mailto:dokumentacja@novol.pl)

**1.4 Emergency tel.:** +48 61 810-99-09 available: 7.00 – 15.00

**2. HAZARD IDENTIFICATION**

**HEALTH HAZARDS:** Harmful product. Irritating to eyes. May cause sensitization in contact with skin. Harmful: may cause lung damage if swallowed Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**DANGEROUS PROPERTIES:** Highly flammable liquid; avoid contact with strong oxidants.

**OTHER:** No data available.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

EEC No.	Name of the substance	WE No.	CAS No.	Classification of the substance	Marking of the substance	Composition
606-001-00-8	Acetone	200-662-2	67-64-1	F; R11 Xi; R36 R66, R67	F; Xi R: 11-36-66-67 S: (2-)9-16-26	40-50%
649-327-00-6	Naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	applied Notes H, P; contains less than 0,1% w/w benzene (Einecs No 200-753-7); Xn; R65-66 R10	Xn R: 10-65-66 S: 23-24-62	10-20%
601-022-00-9	Xylene	215-535-7	1330-20-7	R10 Xn, R20/21 Xi, R38	Xn R: 10-20/21-38 S: (2-)25	5-10%
601-023-00-4	Ethylbenzene	202-849-4	100-41-4	F; R11 Xn; R20	F; Xn R: 11-20 S: (2-)16-24/25-29	<2,5%
603-004-00-6	Butan-1-ol	200-751-6	71-36-3	R10 Xn; R22 Xi; R37/38-41 R67	Xn R: 10-22-37/38-41-67 S: (2-)7/9-13-26-37/39-46	<1,5%
607-113-00-X	Isobutyl methacrylate	202-613-0	97-86-9	R10 Xi; R36/37/38 R43 N; R50	NOTA D Xi; N R: 10-36/37/38-43-50 S: (2-)24-37-61	1-2%

**4. FIRST AID MEASURES**

**GENERAL INFORMATION:** See 11 point Product Data Sheet.

**INHALATION:** Take the casualty into the fresh air and keep warm irregular breathing/no breathing artificial respiration call a physician.

**SKIN:** Take off soiled clothes. Wash off with plenty of lukewarm water and soap (at least 15 minutes).Consult a doctor in the event of skin reaction.

**EYES:** Hold the eyes open and rinse immediately with plenty of lukewarm water (at least 15 minutes). Contact with ophthalmologist.

**ALIMENTARY TRACT:** Do not induce vomiting (risk of choking). Rinse mouth with water. Medical help is required.

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**5. FIRE-FIGHTING MEASURES**

**FIRE EXTINGUISHING**

**SUBSTANCES:** Powder, foam resistant to alcohols, carbon dioxide, watermist.

**SPECIAL HAZARDS:** Fire may cause the generation of carbon monoxide and other toxic gases.

**PROTECTIVE EQUIPMENT:** Firemen have to wear self-contained breathing apparatus and protective clothing.

**OTHER INFORMATION:** Cool adjacent tanks by spraying water from a safe distance.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTION:** Eliminate sources of ignition. Ensure sufficient ventilation in this room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Put on protective equipment see chapter 8.

**PROTECTION OF THE ENVIRONMENT:** Prevent to get through to the sewage system, to the surface water, underground water, to the soil. In case of a major spillage the affected area should be separated with bounds.

**ACTION IN CASE OF SPILLAGE:** Eliminate leakage (fluid flow shut, seal), damaged container placed in an emergency package, automatically collect the liquid in the package of emergency. Use a universal binding agent (eg mica, sand, diatomaceous earth). Dealing with waste – see point 13.

**7. HANDLING AND STORAGE**

**HANDLING RULES:**

Keep away from heat and sources of fire. Do not smoke. Do not inhale vapours. Avoid contact with skin and eyes. Take precautionary measures against electrostatic loading. Use only in well ventilated place. Put on protective equipment see chapter 8.

**STORAGE:** Keep in sealed containers in cool, well ventilated rooms. Storage in the vicinity of a large quantity of organic peroxides or strong oxidants is prohibited.

**PECULIAR APPLICATION:** See the technical product data sheet.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**LIMIT VALUES:**

for Acetone CAS 67-64-1 according to:

- *TRGS 900:* MAK: 500ppm, MAK: 1200 mg/m<sup>3</sup>, 2(I),DFG
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 500 mg/m<sup>3</sup>, 1210mg/m<sup>3</sup>, STEL 1500ppm, 3620 mg/m<sup>3</sup>

for Xylene CAS 1330-20-7 according to:

- *TRGS 900:* MAK: 100ppm, MAK: 440 mg/m<sup>3</sup>, 2(II),DFG, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 mg/m<sup>3</sup>, 220mg/m<sup>3</sup>, STEL 100ppm, 441 mg/m<sup>3</sup>, Sk, BMGV

for Ethylbenzene CAS 100-41-4 according to:

- *TRGS 900:* MAK: 100ppm, MAK: 440 mg/m<sup>3</sup>, 2(I),EU, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 100 ppm, 441mg/m<sup>3</sup>, STEL 125ppm, 552 mg/m<sup>3</sup>, Sk

**RESPIRATORY TRACT PROTECTION:** Gas mask with "A" type absorbing canister (EN 141).

**PROTECTION OF HANDS:** Protective gloves PN-EN 374-3:1999 (butyl rubber thickness 0,7mm, the time of penetration > 480min., natural rubber thickness 0,6 mm, the time of penetration >10min).

**EYES PROTECTION:** Protective glasses.

**SKIN PROTECTION:** Suitable protective clothing (antistatic, impregnated clothing).

**WORKPLACE:** Topical stays and exhausting ventilation.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: liquid  
Colour: straw-coloured  
Smell: pungent, penetrating odour  
Boiling point: approx. 56°C (acetone)  
Flash-point: -19°C (acetone)  
Autoignition point: approx..540°C (acetone)  
Explosion limits: % lower: 2.1 vol% upper: 13.0 vol%( acetone)  
% lower: 1.1 vol% upper: 8.0 vol%( xylene)  
Vapour pressure: approx. 233 hPa (20°C)  
Density: approx. 0.95 g/cm<sup>3</sup> (20°C)  
Water solubility: soluble  
Viscosity (DIN 53211) 10s

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**10. STABILITY AND REACTIVITY**

**STABILITY:** The product remains stable under normal conditions.

**AVOID THE CONTACT OF THE MATERIAL WITH:** Strong oxidants, high temperature, strong acids and basis.

**DANGEROUS DECOMPOSITION PRODUCTS:** As a result of thermal decomposition formed carbon monoxide and other toxic gasses.

**11. TOXICOLOGICAL INFORMATION**

There are no experimental data on this preparation. The assessments were based on data on the components preparation.

Xylene:	LD <sub>50</sub> (rat, oral)	5000 mg/kg
	LC <sub>50</sub> (rat, inhalation)	4550 ppm/4h
Acetone:	LD <sub>50</sub> (rat, oral)	7400 mg/kg
	LC <sub>50</sub> (rat, inhalation)	50100 mg/ m <sup>3</sup> /8h
	LC <sub>50</sub> (mause, inhalation)	110 g/m <sup>3</sup> /1h
Ethylbenzene:	LD <sub>50</sub> (rat, oral)	3500mg/kg
	LC <sub>50</sub> (rat, inhalation)	4000ppm/4h
Butan-1-ol:	LD <sub>50</sub> (rat, oral)	790 mg/kg
	LC <sub>50</sub> (rat, inhalation)	24640 mg/m <sup>3</sup> /4h

**IRRITATING EFFECT:** Skin: irritating to skin and mucous membranes.  
Eyes: irritating effect.

**SYMPTOMS OF POISONING:** Headache and vertigo, fatigue, decreased muscle power, sleepiness and, in exceptional instances, loss of consciousness. If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting, and diarrhoea. In case of inhalation poisoning may cause emphysema, sudden mental block, convulsions even death.

**12. ECOLOGICAL INFORMATION**

There are no experimental data on this preparation. The assessments were based on data on the components preparation.

Xylene:	Daphnia magna EC50 (48 h) 7,4 mg/l ID-Number: 206 Classification under Hazard to Water: 2 acute toxicity index to mammals: 3; to fish: 4,1
Acetone:	acute toxicity index to mammals: 1; to fish: 2 ID-Number: 6 Classification under Hazard to Water: 1
Ethylbenzene:	Daphnia magna EC50 (24 h.) 73 mg/l ID-Number: 99 Classification under Hazard to Water:: 1
Isobutyl methacrylate:	Daphnia magna EC50 (48 h.) 29 mg/l

The product is very poorly soluble in water. Keep away from the sewage system, surface water, underground water, and soil.

**13. DISPOSAL CONSIDERATIONS**

**RESIDUAL OF PRODUCT:** Residual product in the package must be carefully removed and leave to dry (only in code of waste: 08 01 11\* good ventilated rooms)

**ATTENTION:** Residual of product dry in small portions far from flammable substances. Much amount of heat is emitted in the time of reaction! The dried product is not hazardous waste.

**CLEAN TIN:** Tin carefully clean is not hazardous waste. code of waste: 15 01 02

**TIN PARTLY EMPTY:** See the residual of product. The package containing the residual of product is hazardous waste. code of waste: 15 01 10\*

**14. TRANSPORT INFORMATION**

**GENERAL INFORMATION:** Do not transport with materials class 1 (with the exception of materials class 1.4S) and with some of materials class 4.1 and 5.2. Avoid direct contact with materials class 5.1 and 5.2 in the time of transport. Do not use naked flame and do not smoke.

**ADR/RID:** UN 1263 PAINT, 3, II

UN No.	Name of the raw material	Hazard identification number	Warning label required	Classification Code	Packaging group
1263	PAINT	33	3	F1	II

**IMDG- Code:** PAINT , CLASS 3, UN 1263, PG II.  
EmS: F-E, S-E

**ICAO/IATA:** No data available.

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**15. REGULATORY INFORMATION**

Safety data sheet in accordance with Directives:

67/548/EWG(2006/121/WE)

91/155/EWG (2001/58/WE)

1999/45/EC (2006/8/WE)

2006/1907/WE REACH

1272/2008/WE

Other regulations: ADR (2009-2011) , IMDG Code 2008 Edition

**CONTAINS:**

Naphtha (petroleum), hydrotreated heavy. Isobutyl methacrylate. May produce an allergic reaction.

**HAZARD SYMBOL(S)**



Xn Harmful  
F Highly flammable

**RISK-PHRASES:**

R11 Highly flammable  
R36 Irritating to eyes.  
R43 May cause sensitization in contact with skin.  
R65 Harmful: may cause lung damage if swallowed  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**SAFETY-PHRASES:**

S (2-) Keep out of the reach of children.  
S 16 Keep away from sources of ignition- No smoking  
S 24/25 Avoid contact with skin and eyes.  
S 37 Wear suitable gloves.  
S 51 Use only in well-ventilated areas.  
S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

**16. OTHER INFORMATION**

Full text of the R Phrases from section 2:

R10 Flammable.

R11 Highly flammable

R20 Harmful by inhalation.

R22 Harmful if swallowed.

R20/21 Harmful by inhalation and in contact with the skin

R36 Irritating to eyes.

R38 Irritating to skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization in contact with skin.

R50 Very toxic to aquatic organisms

R65 Harmful: may cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking.

Information contained herein is based on our current knowledge. This document does not constitute a warranty for product characteristics.

Changes: General update.

Training: In terms of conduct, occupational health and safety with hazardous substances and mixtures. In terms of transport of dangerous goods in accordance with the requirements of ADR.

Issued by: NOVOL Sp. z o.o.

Information: Laboratory Research and Development; tel. +48 61 810 99 09