

**SAFETY DATA SHEET**

Date of issue: 09.03.2006

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Number: SB\_8\_11

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1. Identification of the preparation: SPECTRAL UNDER 355 (FLEX)****1.2. Use of the preparation:** Two-component acryl filler (component A) for application with a spray gun.**1.3. Company/undertaking identification:** **NOVOL** Sp. z o.o. Tel: (061) 810-98-00  
ul. Żabikowska 7/9 Fax: (061) 810-98-09  
62-052 Komorniki [www.novol.pl](http://www.novol.pl)  
Emergency tel: (061) 810-98-00**2. HAZARD IDENTIFICATION****HEALTH HAZARDS:** Harmful product. Harmful by inhalation and in contact with skin. Repeated exposure may cause skin dryness or cracking.**DANGEROUS PROPERTIES:** 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 |
|--------------|---------------------------------|-----------|-----------|------------------------------------|---|-------------|
| 607-195-00-7 | 2-Methoxy-1-methylethyl acetate | 203-603-9 | 108-65-6  | R10<br>Xi; R36                     | Xi<br>R: 10-36<br>S: (2-)25                               | 1-5%        |
| 607-025-00-1 | Butyl acetate                   | 204-658-1 | 123-86-4  | R10<br>R66-67                      | R: 10-66-67<br>S: (2-)25                                  | 5-10%       |
| 601-022-00-9 | Xylene                          | 215-535-7 | 1330-20-7 | R10<br>Xn, R20/21<br>Xi, R38       | Xn<br>R: 10-20/21-38<br>S: (2-)25                         | 10-18%      |
| 607-009-00-4 | phthalic anhydride              | 201-607-5 | 85-44-9   | Xn; R22<br>Xi; R37/38-41<br>R42/43 | Xn<br>R: 22-37/38-41-42/43<br>S: (2-)23-24/25-26-37/39-46 | =<0.1       |
| 607-124-00-X | 2-hydroxyethyl methacrylate     | 212-782-2 | 868-77-9  | Xi; R36<br>R43                     | Xi<br>R: 36/38-43<br>S: (2-)26-28                         | =<0,1       |

**4. FIRST AID MEASURES****GENERAL INFORMATION:** See 11 point Product Date 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 (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 provoke vomiting (risk of choking). Rinse mouth with water. Medical help is required.**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.**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:** Seal the container; damaged containers should be placed in emergency containers. Besprinkle spillage, use e.g. mica, sand, wood flour. Remove the substance mechanically and put to emergency containers. For further disposal measures: see chapter 13.

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**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 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 2-methoxy-1-methylethyl acetate CAS 108-65-6 according to:

- *TRGS 900:* MAK: 50ppm, MAK: 270 mg/m<sup>3</sup>, 1(I),DFG, EU, Y
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 ppm, 274 mg/m<sup>3</sup>, STEL 100ppm, 548 mg/m<sup>3</sup>, Sk

for Butyl acetate CAS 123-86-4 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 150 ppm, 724 mg/m<sup>3</sup>, STEL 200ppm, 966 mg/m<sup>3</sup>

for phthalic anhydride CAS 85-44-9 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 4mg/m<sup>3</sup>, STEL 12mg/m<sup>3</sup>, Sen

**RESPIRATORY TRACT PROTECTION:**

Gas mask with "A" type absorbing canister.

**PROTECTION OF HANDS:**

Protective gloves suitable for handling solvents (viton., nitrile).

**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:                        | viscous liquid                       |
| Colour:                                | grey                                 |
| Smell:                                 | pungent, penetrating odour           |
| Boiling point:                         | 126-145°C                            |
| Flash-point:                           | 24°C                                 |
| Autoignition point:                    | approx. 270-300°C                    |
| Explosion limits:                      | no dates                             |
| Vapour pressure:                       | no dates                             |
| Density:                               | approx. 1.5 g/cm <sup>3</sup> (20°C) |
| Water solubility:                      | insoluble                            |
| Partition coefficient n-octanol/water: | no dates                             |
| Viscosity (rotating rheometer):        | 3000 mPas                            |

**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:**

Carbon monoxide and other toxic gasses are generated as a result of thermal decomposition.

**11. TOXICOLOGICAL INFORMATION**

Toxicological studies at the preparation are not available.

|                         |                                    |                            |
|-------------------------|------------------------------------|----------------------------|
| <b>TOXICITY:</b> Xylene | LD <sub>50</sub> (rat, oral)       | 5000 mg/kg                 |
|                         | LC <sub>50</sub> (rat, inhalation) | 4550 ppm/4h                |
| Butyl acetate:          | LD <sub>50</sub> (rat, oral)       | 14000 mg/kg                |
|                         | LC <sub>50</sub> (rat, inhalation) | 9660 mg/m <sup>3</sup> /8h |

**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.

**12. ECOLOGICAL INFORMATION**

Ecological studies at the preparation are not available.

|                                  |   |
|----------------------------------|---|
| 2-Methoxy-1-methylethyl acetate: | Daphnia magna/EC50 (48h.) > 500 mg/l                          |
|                                  | Oncorhynchus mykiss/LC50 (96h.) 100-180 mg/l                  |
|                                  | Number in catalogue includes substance danger to water : 5033 |
|                                  | Water hazard class : 1  |

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**12. ECOLOGICAL INFORMATION**

Xylene: Daphnia magna/EC50 (48h.) > 7,4 mg/l  
ID-Number: 206  
Classification under Hazard to Water: 2

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

**13. DISPOSAL CONSIDERATIONS**

**RECOMMENDATION:** Product must be disposed of by special means in accordance with local regulations.

**REMAINS OF PRODUCT:** Remains of product in the tin should be carefully remove and harden using suitable hardener. Hardened product is not harmfully substance and could be treat like plastics wastes (in accordance with the regulations).  
**code of waste:** 08 01 11

**ATTENTION:** Remains should be hardened in small portions far from flammable substances. Much amount of heat is emitting in the time of reaction!

**CLEAN TIN:** Tin carefully clean is not harmful waste.

**code of waste:** 15 01 04

**TIN PARTLY EMPTY:** See remains of product.

**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, III

| UN No. | Name of the raw material | Hazard identification number | Warning label required | Classification Code | Packaging group |
|--------|--------------------------|------------------------------|------------------------|---------------------|-----------------|
| 1263   | PAINT                    | 30                           | 3                      | F1                  | III             |

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

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

**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

Other regulations: ADR (2007-2009) , IMDG Code 2006 Edition

**CONTAINS:** Xylene. Contains phthalic anhydride and 2-hydroxyethyl methacrylate. May produce an allergic reaction.

**HAZARD SYMBOL(S)**



Xn Harmful

**RISK-PHRASES:**

R10 Flammable.

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

R66 Repeated exposure may cause skin dryness or cracking.

**SAFETY-PHRASES:**

S (2-) Keep out of the reach of children.

S 23 Do not breathe vapour/spray.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 38 In case of insufficient ventilation, wear suitable respiratory equipment

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

**16. OTHER INFORMATION**

Full text of the R-Phrase from section 2 and 3:

R10 Flammable.

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

R36 Irritating to eyes

R38 Irritating to skin

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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

Issued by: NOVOL Sp. z o.o.

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