

SAFETY DATA SHEET

Date of issue: 09.10.2007

Date to update: 09.10.2007

Number: SB_8_26_4

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

- 1.1. Identification of the preparation:** **SPECTRAL WAVE: SW-650 GREEN BLUE**
- 1.2. Use of the preparation:** Water based pigment pastes and binders designed for car refinish.
- 1.3. Company/undertaking identification:** **NOVOL Sp. z o.o.** Tel: (061) 810-98-00
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62-052 Komorniki www.novol.pl
Emergency tel: (061) 810-98-00

2. HAZARD IDENTIFICATION

HEALTH HAZARDS: Harmful product. Harmful by inhalation, in contact with skin and if swallowed
Irritant for eyes and skin.

OTHER: Avoid contact with strong oxidants.

3. COMPOSITION / INFORMATION ON INGREDIENTS

EEC No.	Name of the substance	WE No.	CAS No.	Classification of the substance	Marking of the substance	Composition
603-014-00-0	2-butoksyetanol	203-905-0	111-76-2	Xn; R20/21/22 Xi; R36/38	Xn R: 20/21/22-36/38 S: (2-)36/37-46	20-25%

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 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:** Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and
present Safety data sheet. A suspension of activated charcoal in water, or a liquid
petrolatum may be administered.

5. FIRE-FIGHTING MEASURES

- FIRE EXTINGUISHING SUBSTANCES:** Water, CO₂., powder, foam, sand.
- 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. Do not eat and drink during working with product. Avoid contact with source of fire, incandescent materials and direct sunshine. 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 2-Butoxyethanol CAS: 111-76-2 according to:

- *TRGS 900:* MAK: 20ppm, MAK: 98 mg/m³, 4(II),DFG, H, Y
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 25 mg/m³; STEL 50ppm, Sk, BMGV

RESPIRATORY TRACT PROTECTION: Gas mask with "A" type absorbing canister.

PROTECTION OF HANDS: Protective gloves (viton, nitrile rubber).

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: according to pallet colour
Smell: pungent, penetrating odour
Boiling point: 100°C
Flash-point: 100°C
Autoignition point: approx. 100°C
Explosion limits: % lower: 1.1 vol% upper: 12.7 vol% (for 2-Butoxyethanol)
Vapour pressure: 0,97 mmHg (20°C) (for 2-Butoxyethanol)
Density: 1.0 g/cm³ (20°C)
Water solubility: soluble

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.

TOXICITY:

2-butoxyethanol: LD₅₀ (rat, inhalation) >470 mg/kg

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.

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12. ECOLOGICAL INFORMATION

Ecological studies at the preparation are not available.

2-butoxyethanol:

ID-Number: 47

Classification under Hazard to Water: 1

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 removed and left to dry (only in well ventilated places). Dried product is not a harmful waste.**TIN PARTLY EMPTY:** See remains of product code of waste: 15 01 02**14. TRANSPORT INFORMATION****ADR/RID:** ---**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:

2-butoxyethanol

HAZARD SYMBOL(S)

Xn Harmful

RISK-PHRASES:

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

R36/38 Irritating to eyes and skin.

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 46 If swallowed, seek medical advice immediately and show this container or label

16. OTHER INFORMATION

Full text of the R and Phrases from section 2 and 3:

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

R36/38 Irritating to eyes and skin.

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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