

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Product identifier

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

1.2. Relevant identified uses of the substance or mixture and uses advised against

One – component waterborn acrylic primer for application with the use of a spray gun. For professional use in car refinish.

1.3. Data of the supplier Safety Data Sheet

NOVOL Sp. z o.o.
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Person responsible for the Safety Data Sheet

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1.4. Emergency telephone number

+48 61 810-99-09 (from 7.00 to 15.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The mixture was classified as dangerous pursuant to current regulations - see Section 15.

Classification 1272/2008/EC:

Eye irritant hazard category 2 (Eye Irrit. 2). Irritating to eyes. Serious eye damage/eye irritation, Hazard Category 2. Causes serious eye irritation. Hazardous to the aquatic environment – chronic hazard, Category 2 (Aquatic Chronic 2). Toxic to aquatic life with long lasting effects.

2.2. Label elements:

Contains:

Zinc phosphate tribasic
Contains 2-butanone oxime. May produce an allergic reaction.

Pictograms:



Signal word:

Caution

H315
H319
H411

Causes skin irritation.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P312

Call a doctor if you feel unwell.

2.3. Other hazards

No available data.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Product identifier

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (cont'd)

| Substance name | Identification numbers | Classification and marking | Concentration [wt%] |
|-------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------|
| 2-Butoxyethanol | EC: 203-905-0 CAS: 111-76-2 Index no.: 603-014-00-0 Registration no.: 01-2119475108-36-XXXX | Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315 | 1-3 |
| Zinc phosphate tribasic | EC: 231-944-3 CAS: 7779-90-0 Index no.: 030-011-00-6 Registration no.: 01-2119485044-40-XXXX | Aquatic Acute 1; H400 Aquatic Chronic1; H410 | 1,5-3 |
| Zinc oxide | EC: 215-222-5 CAS: 1314-13-2 Index no.: 030-013-00-7 Registration no.: 01-2119463881-32-XXXX | Aquatic Acute 1; H400 Aquatic Chronic1; H410 | <0,6 |
| 2-butanone oxime | WE: 202-496-6 CAS: 96-29-7 Index no.: 616-014-00-0 Registration no.: 01-2119539477-28-XXXX | Acute Tox. 4; H312 Skin Sens. 1; H317 Eye Dam. 1; H318 Carc. 2; H351 | <0.6 |
| Ammonia, 36% solution | EC: 215-647-6 CAS: 1336-21-6 Index no.: 007-001-01-2 Registration no.: -- | Skin Corr. 1B; H314 Aquatic Acute 1; H400 | <0.6 |
| Triethylamine | WE: 204-469-4 CAS: 121-44-8 Index no.: 612-004-00-5 Registration no.: 01-2119475467-26-XXXX | Flam.Liq. 2; H225 Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1A; H314 | <0,6 |

The full text of the hazard statements (H) is provided in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

See section 11 of the Safety Data Sheet.

Inhalation:

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

Alimentary tract:

Do not provoke vomiting (choking risk). Rinse mouth with water. If conscious, administer 1-2 glasses of warm water. Call a doctor.

Person giving first aid should wear medical gloves.

4.2. Most important symptoms and effects, both acute and delayed

Fumes might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

4.3. Indications of any immediate medical attention and special treatment needed

Special measures allowing for specialist and immediate aid should be available in the place of work.

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Powder, foam resistant to alcohols, carbon dioxide, water mis.

5.2. Special hazards arising from the substance or mixture

Fire may cause generation of carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:

Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

6.2. Environmental precautions

Prevent leakage to the sewage system, surface waters, underground waters and soil.

6.3. Methods and materials for containment and cleaning up

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

6.4. Reference to other sections

Personal protection measures - see section 8 of the Safety Data Sheet.

Disposal considerations - see section 13 of the Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE OF THE SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly sealed, original containers. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources.

7.3. Special end use(s)

For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

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

8.2. Exposure control

Respiratory tract protection:

Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, nitrile rubber, 0,4 mm thick, penetration time > 30 min)

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.2. Exposure control

Eye protection:
Tight protective glasses.

Skin protection:
Proper protective clothing (coated impregnated fabrics).

Workplace:
Fixed fume extraction and general ventilation.

Environmental exposure control:
Prevent leakage to the sewage system, surface waters, underground waters and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------|-------------------------------------------|
| Physical state | liquid |
| Colour | red |
| Odour | strong, powerful |
| Odour threshold | no data |
| pH | 8-9 |
| Melting/freezing point | not applicable |
| Boiling point | Approx. 100°C |
| Flash point | not applicable |
| Autoignition point | not applicable |
| Breakdown point | not specified |
| Evaporation rate | not specified |
| Flammability (solid, gas) | not applicable |
| Explosion limits | not applicable |
| Vapour pressure | Approx..0.97 hPa (20°C) (2-butoxyethanol) |
| Vapour density (with regard to air) | no data |
| Density | about 1.2 g/cm ³ (20°C) |
| Solubility (in water) | soluble |
| N-octanol/water division ratio | no data |
| Viscosity | no data |
| Explosive properties | not applicable |
| Oxidizing properties | not applicable |

9.2 Other informations

No available data.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive under normal conditions.

10.2. Chemical stability

The product remains stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to be avoided

Avoid contact with strongly oxidizing agents, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

10.5. Incompatible materials

Avoid contact with large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

10.6. Hazardous decomposition products

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

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

a) Acute toxicity

| | | |
|---------------------------|-----------------------------------|--------------|
| 2-butoxyethanol | LD50 (rat, ingestion) | 470mg/kg |
| | LC50 (rat, inhalation) | 450ppm/4h |
| bis(orthophosphate) | LD ₅₀ (rat, ingestion) | > 5000 mg/kg |
| zinc oxide | LD ₅₀ (rat, ingestion) | 7950 mg/kg |
| ammonia, aqueous solution | LD ₅₀ (rat, ingestion) | 350mg/kg |

b) Skin corrosion/irritation

Causes skin irritation.

c) serious eye damage/irritation

Causes serious eye irritation.

d) respiratory or skin sensitisation

The mixture has not been classified as allergenic. No available data confirming the hazard class. Contains 2-butanone oxime. May produce an allergic reaction.

e) germ cell mutagenicity

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

f) carcinogenicity

The mixture has not been classified as cancerogenic. No available data confirming the hazard class.

g) reproductive toxicity

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

h) STOT-single exposure

No available data confirming the hazard class.

i) STOT- repeated exposure

No available data confirming the hazard class.

j) aspiration hazard

No available data confirming the hazard class.

Exposure methods:

Inhalation: May cause irritating effect.

Skin: Causes skin irritation. May produce an allergic reaction.

Eyes: Causes serious eye irritation.

If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhoea.

Poisoning symptoms:

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness. Fumes might cause drowsiness and vertigo. Repeated exposure may cause skin dryness or cracking.

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 12: ECOLOGICAL INFORMATION

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

12.1. Toxicity

2-Butoxyethanol

Number in the catalogue of water hazardous substances: 47
Water hazard class: 1

Zinc oxide

Oncorhynchus mykiss LC50 (96 h) 2,5 mg/l
Daphnia magna EC50 (48 h) 20 mg/l
Desmodesmus subspicatus EC50 (72 h) 13 mg/l

12.2. Persistence and degradability

No available data.

12.3. Bioaccumulative potential

No available data.

12.4. Mobility in soil

Product soluble in water.

12.5. Results of PBT and vPvB assessment

No available data.

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and leave to dry only in good ventilated rooms. The dried product is not harmful waste.

CAUTION: The remains should be dried in small portions. Keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

SECTION 14: TRANSPORT INFORMATION

| | ADR/RID | IMO/IMGD | IATA-DGR |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| 14.1. UN number | 3082 | 3082 | 3082 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S.(Zinc phosphate tribasic) | | |
| 14.3. Transport hazard class(es) | 9 | 9 | 9 |
| 14.4. Packaging group | III | III | III |
| 14.5. Environmental hazards | yes | yes | -- |
| 14.6. Special precautions for user | Do not transport together with materials of class 1 (excluding materials of class 1.4S) and some materials of classes 4.1 and 5.2. During transport, avoid direct contact with materials of classes 5.1 and 5.2. Do not use an open flame and do not smoke. | | |
| 14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code | Not applicable. | | |

BODYWORK PRIMER TEMPORARY PROTECTION ANTI-CORROSION PRIMER

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Regulation 2006/1907/WE

CLP - Regulation 1272/2008/WE

15.2. Chemical safety assessment

Not performed

SECTION 16: OTHER INFORMATION

Relevant hazard statements listed in Sections 2 to 15:

Flam.Liq.2 Liquid, flammable substances, category 2

H225 Highly flammable liquid and vapour.

Acute Tox. 4 Acute toxicity. Category 4

H302 Harmful if swallowed

H332 Harmful if inhaled

H312 Harmful in contact with skin

Eye Irrit. 2 Eye irritation. Category 2

H315 Causes serious eye irritation Category 2

Skin Sens. 1 Skin sensation, category 1.

H317 May cause an allergic skin reaction.

Eye Dam. 1 Serious eye damage

H318 Causes serious eye damage.

Eye Irrit. 2 Eye irritation, category 2.

H319 Causes serious eye irritation.

Skin Corr. 1B Corrosive/irritating effect on skin, hazard category 1B

H314 Causes severe skin burns and eye damage

Carc. 2; Carcinogenicity, Hazard Category 2

H351 Suspected of causing cancer.

Aquatic Acute 1 Hazardous to the aquatic environment

H400 Very toxic to aquatic life

Aquatic Chronic 1 Hazardous to the aquatic environment

H410 Very toxic to aquatic life with long lasting effects

Explanation of the abbreviations and acronyms used in the Safety Data Sheet

CAS no – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

EC no. – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

MPC – maximum permissible concentration of health hazardous substances in the work place

MPIC – maximum permissible instantaneous concentration

MPCC - maximum permissible ceiling concentration

PCB - permissible concentration in biological material

UN number - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

ADR – European agreement on international road transport of hazardous materials

IMO – International Marine Organization

RID – Regulations for international rail transport of hazardous materials

IMDG-Code – International marine code for hazardous materials

ICAO /IATA – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics. Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

Other sources of information

ECHA European Chemicals Agency

TOXNET Toxicology Data Network

IUCLID International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures.

With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: NOVOL Sp. z o.o.