



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET

Primer Surfacer EP II

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Primer Surfacer EP II
S11068

: Product name
: SDS code

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

Identified uses
Industrial use
Uses advised against
Consumer use

: Product use

1.3 Details of the supplier of the safety data sheet

Akzo Nobel Car Refinishes bv
Rijksstraatweg 31
2171 AJ Sassenheim
The Netherlands
+ 31 (0)71 308 6944
www.sikkensvr.com

: Manufacturer

PSRA_SSH@akzonobel.com

: e-mail address of person
responsible for this SDS

1.4 Emergency telephone number

National advisory body/Poison Centre

Supplier

+ 31 (0)71 308 6944

: Telephone number

: Hours of operation

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Mixture

: Product definition

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226

Skin Irrit. 2, H315

Eye Dam. 1, H318

Skin Sens. 1, H317

STOT SE 3, H335

STOT RE 2, H373

Aquatic Acute 1, H400

SECTION 2: Hazards identification

Aquatic Chronic 2, H411
The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements



: Hazard pictograms

Danger
Flammable liquid and vapour.
Causes serious eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

: Signal word
: Hazard statements

Precautionary statements

Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour. Wear eye or face protection.
Not applicable.
Store in a well-ventilated place.
Not applicable.
Reaction mass of ethylbenzene and xylene
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]
butan-1-ol
Not applicable.

Not applicable.

: Prevention

: Response
: Storage
: Disposal
: Hazardous ingredients

: Supplemental label elements
: Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: Containers to be fitted with child-resistant fastenings
: Tactile warning of danger

Special packaging requirements

Not applicable.

Not applicable.

2.3 Other hazards

None known.

: Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

Mixture			: 3.2 Mixtures	
Type	Regulation (EC) No. 1272/2008 [CLP]	%	Identifiers	Product/ingredient name
[1] [2]	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	≥10 - ≤19	REACH #: 01-2119488216-32 EC: 905-588-0 Index: 601-022-00-9	Reaction mass of ethylbenzene and xylene
[1]	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	≥10 - ≤20	CAS: 25036-25-3	Phenol, 4,4'-(1-methylethylidene) bis-, polymer with 2,2'-(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bis [oxirane]
[1]	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	≤10	REACH #: 01-2119485044-40 EC: 231-944-3 Index: 030-011-00-6	trizinc bis(orthophosphate)
[1]	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	≤5	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	butan-1-ol
[1]	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 See Section 16 for the full text of the H statements declared above.	≤3	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	n-butyl acetate

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. : General

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. : Eye contact

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. : Inhalation

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. : Skin contact

If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting. : Ingestion

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. : Protection of first-aiders

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]. May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. : Notes to physician

No specific treatment. : Specific treatments

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Recommended: alcohol-resistant foam, CO₂, powders, water spray. : Suitable extinguishing media

Do not use water jet. : Unsuitable extinguishing media

SECTION 5: Firefighting measures

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

- : Hazards from the substance or mixture
- : Hazardous combustion products

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Appropriate breathing apparatus may be required.

- : Special protective actions for fire-fighters
- : Special protective equipment for fire-fighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- : For non-emergency personnel
- : For emergency responders

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

- : 6.2 Environmental precautions

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

- : 6.3 Methods and material for containment and cleaning up

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

- : 6.4 Reference to other sections

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- : Protective measures
- : Advice on general occupational hygiene

SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

Safety report threshold	Notification and MAPP threshold	Category
50000 200	5000 100	P5c E1

7.3 Specific end use(s)

Not available.

: Recommendations

Not available.

: Industrial sector specific solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Exposure limit values	Product/ingredient name
EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values STEL: 442 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 221 mg/m³ 8 hours. TWA: 50 ppm 8 hours.	Reaction mass of ethylbenzene and xylene

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

: Recommended monitoring procedures

8.2 Exposure controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

: Appropriate engineering controls

Individual protection measures

SECTION 8: Exposure controls/personal protection

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Use safety eyewear designed to protect against splash of liquids. : Eye/face protection

Skin protection

For prolonged or repeated handling, use the following type of gloves: : Gloves

Not recommended: neoprene, PVC, nitrile rubber, butyl rubber

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

Best Practice Guideline 5 “Safe Use of Gloves” (June 2010) published by the European Solvents Industry Group (ESIG), available at <http://www.esig.org/en/library/publications/best-practice-guides>

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres. : Body protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. : Other skin protection

If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. : Respiratory protection

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Do not allow to enter drains or watercourses. : Environmental exposure controls

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Liquid.	: Physical state
Grey.	: Colour
Typical.	: Odour
Not available.	: Odour threshold
Not available.	: pH
Not available.	: Melting point/freezing point
117°C	: Initial boiling point and boiling range
Closed cup: 26°C	: Flash point
Not available.	: Evaporation rate
Not available.	: Flammability (solid, gas)
Greatest known range: Lower: 1.4% Upper: 11.3% (butan-1-ol)	: Upper/lower flammability or explosive limits
Not available.	: Vapour pressure

SECTION 9: Physical and chemical properties

Highest known value: 4 (Air = 1) (n-butyl acetate). Weighted average: 3.49 (Air = 1)	: Vapour density
1.597	: Relative density
Not available.	: Partition coefficient: n-octanol/ water
Not available.	: Auto-ignition temperature
Not available.	: Decomposition temperature
Kinematic (room temperature): 3.44 cm ² /s	: Viscosity

9.2 Other information

Not available.	: Solubility(ies)
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SECTION 10: Stability and reactivity

No specific test data related to reactivity available for this product or its ingredients.	: 10.1 Reactivity
Stable under recommended storage and handling conditions (see Section 7).	: 10.2 Chemical stability
Under normal conditions of storage and use, hazardous reactions will not occur.	: 10.3 Possibility of hazardous reactions
When exposed to high temperatures may produce hazardous decomposition products.	: 10.4 Conditions to avoid
Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.	: 10.5 Incompatible materials
Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.	: 10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bis[oxirane]. May produce an allergic reaction.

Acute toxicity

SECTION 11: Toxicological information

Exposure	Dose	Species	Result	Product/ingredient name
4 hours	5000 ppm	Rat	LC50 Inhalation Gas.	xylene
4 hours	6700 ppm	Rat	LC50 Inhalation Gas.	
4 hours	6670 ppm	Rat	LC50 Inhalation Gas.	
-	1548 mg/kg	Mouse	LD50 Intraperitoneal	
-	1548 mg/kg	Mouse	LD50 Intraperitoneal	
-	2459 mg/kg	Rat	LD50 Intraperitoneal	
-	2119 mg/kg	Mouse	LD50 Oral	
-	4300 mg/kg	Rat	LD50 Oral	
-	4300 mg/kg	Rat	LD50 Oral	
-	1700 mg/kg	Rat	LD50 Subcutaneous	
-	552 mg/kg	Mouse	LD50 Intraperitoneal	trizinc bis(orthophosphate)
-	551 mg/kg	Rat	LD50 Intraperitoneal	
4 hours	24000 mg/m³	Rat	LC50 Inhalation Vapour	butan-1-ol
-	3400 mg/kg	Rabbit	LD50 Dermal	
-	254 mg/kg	Mouse	LD50 Intraperitoneal	
-	200 mg/kg	Rat	LD50 Intraperitoneal	
-	377 mg/kg	Mouse	LD50 Intravenous	
-	310 mg/kg	Rat	LD50 Intravenous	
-	100 mg/kg	Mouse	LD50 Oral	
-	3484 mg/kg	Rabbit	LD50 Oral	
-	3400 mg/kg	Rabbit	LD50 Oral	
-	0.79 g/kg	Rat	LD50 Oral	
-	4.36 g/kg	Rat	LD50 Oral	ethylbenzene
-	790 mg/kg	Rat	LD50 Oral	
-	3200 mg/kg	Mouse	LD50 Subcutaneous	
4 hours	4000 ppm	Rabbit	LC50 Inhalation Gas.	
2 hours	35500 mg/m³	Mouse	LC50 Inhalation Vapour	
2 hours	55000 mg/m³	Rat	LC50 Inhalation Vapour	
-	>5000 mg/kg	Rabbit	LD50 Dermal	
-	17800 uL/kg	Rabbit	LD50 Dermal	
-	2624 uL/kg	Mouse	LD50 Intraperitoneal	
-	3500 mg/kg	Rat	LD50 Oral	
-	3500 mg/kg	Rat	LD50 Oral	n-butyl acetate
4 hours	390 ppm	Rat	LC50 Inhalation Gas.	
2 hours	6 g/m³	Mouse	LC50 Inhalation Vapour	
4 hours	390 ppm	Rat	LC50 Inhalation Vapour	
-	>17600 mg/kg	Rabbit	LD50 Dermal	
-	1230 mg/kg	Mouse	LD50 Intraperitoneal	
-	4700 mg/kg	Guinea pig	LD50 Oral	
-	6 g/kg	Mouse	LD50 Oral	
-	3200 mg/kg	Rabbit	LD50 Oral	
-	10768 mg/kg	Rat	LD50 Oral	

Not available. : Conclusion/Summary

Acute toxicity estimates

ATE value	Route
8915.1 mg/kg	Oral Dermal Inhalation (gases)
4953.9 mg/kg	
22517.7 ppm	

Irritation/Corrosion

SECTION 11: Toxicological information

Observation	Exposure	Score	Species	Result	Product/ingredient name
-	87 mg	-	Rabbit	Eyes - Mild irritant	Reaction mass of ethylbenzene and xylene
-	24 hours 5 mg	-	Rabbit	Eyes - Severe irritant	
-	8 hours 60 UI	-	Rat	Skin - Mild irritant	
-	24 hours 500 mg	-	Rabbit	Skin - Moderate irritant	
-	100 %	-	Rabbit	Skin - Moderate irritant	butan-1-ol
-	24 hours 2 mg	-	Rabbit	Eyes - Severe irritant	
-	0.005 MI	-	Rabbit	Eyes - Severe irritant	
-	1.62 mg	-	Rabbit	Eyes - Severe irritant	
-	24 hours 20 mg	-	Rabbit	Skin - Moderate irritant	n-butyl acetate
-	100 mg	-	Rabbit	Eyes - Moderate irritant	
-	24 hours 500 mg	-	Rabbit	Skin - Moderate irritant	

Not available. : Conclusion/Summary

Sensitisation

Not available. : Conclusion/Summary

Mutagenicity

Not available. : Conclusion/Summary

Carcinogenicity

Not available. : Conclusion/Summary

Reproductive toxicity

Not available. : Conclusion/Summary

Teratogenicity

Not available. : Conclusion/Summary

Specific target organ toxicity (single exposure)

Target organs	Route of exposure	Category	Name
Respiratory tract irritation	Not applicable.	Category 3	Reaction mass of ethylbenzene and xylene
Respiratory tract irritation and Narcotic effects	Not applicable.	Category 3	butan-1-ol
Narcotic effects	Not applicable.	Category 3	n-butyl acetate

Specific target organ toxicity (repeated exposure)

Target organs	Route of exposure	Category	Name
Not determined	Not determined	Category 2	Reaction mass of ethylbenzene and xylene

Aspiration hazard

Result	Name
ASPIRATION HAZARD - Category 1	xylene
ASPIRATION HAZARD - Category 1	ethylbenzene

Not available. : Other information

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure	Species	Result	Product/ingredient name
96 hours	Reaction mass of ethylbenzene and xylene	Acute LC50 13400 µg/l Fresh water	Reaction mass of ethylbenzene and xylene
48 hours	trizinc bis(orthophosphate)	Acute EC50 0.04 mg/l	trizinc bis(orthophosphate)
72 hours	Algae - Selenastrum capricornutum	Acute IC50 0.136 mg/l	Algae - Selenastrum capricornutum
96 hours	Fish - Lepomis Macrochirus	Acute LC50 0.021 mg/l	Fish - Lepomis Macrochirus
96 hours	Fish - Oncorhynchus Mykiss	Acute LC50 0.05 mg/l	Fish - Oncorhynchus Mykiss
48 hours	butan-1-ol	Acute EC50 1983 mg/l Fresh water	butan-1-ol
96 hours	Fish - Alburnus alburnus	Acute LC50 2300000 µg/l Marine water	Fish - Alburnus alburnus
96 hours	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	Acute LC50 1910000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)
96 hours	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	Acute LC50 1940000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)
96 hours	Fish - Pimephales promelas	Acute LC50 1730000 µg/l Fresh water	Fish - Pimephales promelas
48 hours	n-butyl acetate	Acute LC50 32 mg/l Marine water	n-butyl acetate
96 hours	Fish - Lepomis macrochirus	Acute LC50 100000 µg/l Fresh water	Fish - Lepomis macrochirus
96 hours	Fish - Pimephales promelas	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas
96 hours	Fish - Menidia beryllina	Acute LC50 185000 µg/l Marine water	Fish - Menidia beryllina
96 hours	Fish - Danio rerio	Acute LC50 62000 µg/l Fresh water	Fish - Danio rerio

Not available. : Conclusion/Summary

12.2 Persistence and degradability

Not available. : Conclusion/Summary

12.3 Bioaccumulative potential

Potential	BCF	LogP _{ow}	Product/ingredient name
low	8.1 to 25.9	3.12	Reaction mass of ethylbenzene and xylene
low	-	1	butan-1-ol
low	-	2.3	n-butyl acetate

12.4 Mobility in soil

Not available. : Soil/water partition coefficient (K_{oc})

Not available. : Mobility

12.5 Results of PBT and vPvB assessment

Not applicable. : PBT

Not applicable. : vPvB

No known significant effects or critical hazards. : 12.6 Other adverse effects

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

: Methods of disposal

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

: Hazardous waste

Do not allow to enter drains or watercourses.

: Disposal considerations

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste designation	Waste code
waste paint and varnish containing organic solvents or other hazardous substances	EWC 08 01 11*

Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

: Methods of disposal

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

: Disposal considerations






Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

: Special precautions

Section 14. Transport information

IATA	IMDG	ADR/RID	
UN1263	UN1263	UN1263	14.1 UN number
PAINT	PAINT	PAINT	14.2 UN proper shipping name
3 	3  	3  	14.3 Transport hazard class(es)
III	III	III	14.4 Packing group

Section 14. Transport information			
Yes. The environmentally hazardous substance mark is not required.	Marine Pollutant(s): trizinc bis(orthophosphate)	Yes.	14.5 Environmental hazards

Additional information

Viscous liquid exception This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.2.3.1.5.2. : **ADR/RID**

Tunnel code (D/E)

Emergency schedules F-E, _S-E_ : **IMDG**

Viscous substance exemption This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.3.2.5.

The environmentally hazardous substance mark may appear if required by other transportation regulations. : **IATA**

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. : **Special precautions for user**

Not available. : **Transport in bulk according to IMO instruments**

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Not applicable. : **Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

National regulations

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work. : **Industrial use**

SECTION 15: Regulatory information

No Chemical Safety Assessment has been carried out. : 15.2 Chemical safety assessment

SECTION 16: Other information

1 : CEPE code

Indicates information that has changed from previously issued version.

ATE = Acute Toxicity Estimate : Abbreviations and acronyms

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Justification	Classification
On basis of test data	Flam. Liq. 3, H226
Calculation method	Skin Irrit. 2, H315
Calculation method	Eye Dam. 1, H318
Calculation method	Skin Sens. 1, H317
Calculation method	STOT SE 3, H335
Calculation method	STOT RE 2, H373
Calculation method	Aquatic Acute 1, H400
Calculation method	Aquatic Chronic 2, H411

Full text of abbreviated H statements

Flammable liquid and vapour.	H226
Harmful if swallowed.	H302
May be fatal if swallowed and enters airways.	H304
Harmful in contact with skin.	H312
Causes skin irritation.	H315
May cause an allergic skin reaction.	H317
Causes serious eye damage.	H318
Causes serious eye irritation.	H319
Harmful if inhaled.	H332
May cause respiratory irritation.	H335
May cause drowsiness or dizziness.	H336
May cause damage to organs through prolonged or repeated exposure.	H373
Very toxic to aquatic life.	H400
Very toxic to aquatic life with long lasting effects.	H410
Toxic to aquatic life with long lasting effects.	H411
Harmful to aquatic life with long lasting effects.	H412

Full text of classifications [CLP/GHS]

ACUTE TOXICITY (oral) - Category 4	Acute Tox. 4, H302
ACUTE TOXICITY (dermal) - Category 4	Acute Tox. 4, H312
ACUTE TOXICITY (inhalation) - Category 4	Acute Tox. 4, H332
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1	Aquatic Acute 1, H400
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	Aquatic Chronic 1, H410
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2	Aquatic Chronic 2, H411
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Aquatic Chronic 3, H412
ASPIRATION HAZARD - Category 1	Asp. Tox. 1, H304
Repeated exposure may cause skin dryness or cracking.	EUH066
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	Eye Dam. 1, H318
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2	Eye Irrit. 2, H319

SECTION 16: Other information

FLAMMABLE LIQUIDS - Category 3	Flam. Liq. 3, H226
SKIN CORROSION/IRRITATION - Category 2	Skin Irrit. 2, H315
SKIN SENSITISATION - Category 1	Skin Sens. 1, H317
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	STOT RE 2, H373
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3	STOT SE 3, H335
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3	STOT SE 3, H336

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Notice to reader

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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IA_493