

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

SAFETY DATA SHEET

920UV1199 WHITE G11

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

1.1 Product identifier

Product name : 920UV1199 WHITE G11
UFI : NMGG-P0JS-F00W-2JWQ
Product code : 1696334, 1696334-D31
Product description : Not available.
Product type : liquid
Other means of identification : 920UV1199 WHITE G11

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

Identified uses

Not applicable.

Uses advised against

Not applicable.

1.3 Details of the supplier of the safety data sheet

RUCOINX Druckfarben
A. M. Ramp & Co. GmbH
Lorsbacher Str. 28
Eppstein
Germany
D-65817
+49.6198.304 0
8:00-16:00 (working hours)

e-mail address of person responsible for this SDS : info.de@inx europe.com

National contact

Not available.

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : +43 (0)1 406 43 43 (VIZ Wien)

Supplier

Telephone number : +49.6198.304 0
Hours of operation : 8:00-16:00 (working hours)
Information limitations : Not available.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Skin Irrit. 2, H315

Eye Dam. 1, H318

Skin Sens. 1, H317

Aquatic Chronic 3, H412

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 :



Signal word :

Danger

Hazard statements :

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

General :

P103: Read carefully and follow all instructions.

P102: Keep out of reach of children.

P101: If medical advice is needed, have product container or label at hand.

Prevention :

P280: Wear protective gloves.

P280: Wear eye or face protection.

P273: Avoid release to the environment.

P261: Avoid breathing vapor.

P264: Wash thoroughly after handling.

Response :

P362 + P364: Take off contaminated clothing and wash it before reuse.

P302: IF ON SKIN:

P302 + P352: Wash with plenty of water.

P333: If skin irritation or rash occurs:

P333 + P313: Get medical advice or attention.

P305: IF IN EYES:

P305 + P351 + P338: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P305 + P310: Immediately call a POISON CENTER or doctor.

Storage :

-: Not applicable.

Disposal :

P501: Dispose of contents and container in accordance with all

local, regional, national and international regulations.

- Contains** : (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
 2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185
 Propylidynetrimethanol, ethoxylated, esters with acrylic acid
 1-Butanamine, N-butyl-, reaction products with polyethylene glycol monoacrylate ether with trimethylolpropane (3:1)
 ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate
 2,2-bis[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate
 Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-
 Glycerol, propoxylated, esters with acrylic acid
 2-(hydroxymethyl)-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate
- Supplemental label elements** : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.
- Special packaging requirements**
- Containers to be fitted with child-resistant fastenings** : Not applicable.
- Tactile warning of danger** : Not applicable.

2.3 Other hazards

- Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- Other hazards which do not result in classification** : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
titanium dioxide	REACH#: 01-2119489379-17-XXXX EC : 236-675-5 CAS : 13463-67-7	>= 25 - <= 50	Not classified.	-	[2]
(1-methyl-1,2-ethanediyl)bis[oxy(met	REACH#: 01-2119484613-34-	> 0 - <= 14	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]

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hyl-2,1-ethanediyl]] diacrylate	XXXX EC : 256-032-2 CAS : 42978-66-5 Index: 607-249-00-X		Skin Sens. 1, H317 STOT SE 3, H335 (Respiratory tract irritation) Aquatic Chronic 2, H411		
2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185	CAS : 5117-12-4 Index: 613-222-00-3	> 0 - < 10	Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373	ATE [Oral] = 588 mg/kg	[1]
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	REACH#: 01-2119489900-30-XXXX CAS : 28961-43-5	> 0 - <= 10	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412	-	[1]
1-Butanamine, N-butyl-, reaction products with polyethylene glycol monoacrylate ether with trimethylolpropane (3:1)	CAS : 195008-76-5	> 0 - <= 10	Eye Irrit. 2, H319 Skin Sens. 1A, H317	-	[1]
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	REACH#: 01-2119987994-10-XXXX EC : 282-810-6 CAS : 84434-11-7	> 0 - <= 5	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	-	[1]
2-hydroxy-2-methylpropiophenone	REACH#: 01-2119472306-39-XXXX EC : 231-272-0 CAS : 7473-98-5	> 0 - <= 5	Acute Tox. 4, H302	ATE [Oral] = 1 694 mg/kg	[1]
2,2-bis[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate	EC : 225-644-1 Index: 607-122-00-9	> 0 - <= 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	REACH#: 01-2119489401-38-XXXX CAS : 162881-26-7 Index: 015-189-00-5	> 0 - <= 3	Skin Sens. 1, H317 Aquatic Chronic 4, H413	-	[1]
Glycerol, propoxylated, esters with acrylic acid	REACH#: 01-2119487948-12-XXXX CAS : 52408-84-1	> 0 - <= 3	Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
2-(hydroxymethyl)-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate	EC : 222-540-8 Index: 607-110-00-3	> 0 - <= 1,9	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411	ATE [Oral] = 500 mg/kg	[1]

aluminium oxide	EC : 215-691-6 CAS : 1344-28-1	> 0 - <= 1	Not classified.	-	[2]
SILICON DIOXIDE	CAS : 112926-00-8	> 0 - <= 1	Not classified.	-	[2]
2,6-di-tert-butyl-p-cresol	REACH#: 01-2119565113-46-XXXX; 01-211 EC : 204-881-4 CAS : 128-37-0	> 0 - <= 0,18	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1] [2]

See Section 16 for the full text of the H statements declared above.

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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : 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.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following: pain, watering, redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
- Ingestion** : Adverse symptoms may include the following: stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials: carbon dioxide, carbon monoxide, phosphorus oxides, metal oxide/oxides

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized 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".

- 6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

- 6.4 Reference to other sections** : 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.

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

- Protective measures** : 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 vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : 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.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. 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. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

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

Product/ingredient name	Exposure limit values
titanium dioxide	Regulation on Limit Values - MAC (2007-10-01). TWA 5 mg/m ³ Form: Respirable dust Regulation on Limit Values - MAC (2007-10-01). STEL 10 mg/m ³ 2 Form: Respirable dust

aluminium oxide	Regulation on Limit Values - MAC (2001-07-01). TWA 5 mg/m ³ Form: Respirable fraction Regulation on Limit Values - MAC (2001-07-01). STEL 10 mg/m ³ 2 Form: Respirable fraction Regulation on Limit Values - MAC (2001-07-01). TWA 10 mg/m ³ Form: Inhalable fraction Regulation on Limit Values - MAC (2001-01-07). STEL 20 mg/m ³ 2 Form: Inhalable fraction
SILICON DIOXIDE	Regulation on Limit Values - MAC (1995-06-01). TWA 4 mg/m ³ Form: Inhalable fraction
2,6-di-tert-butyl-p-cresol	Regulation on Limit Values - MAC (1995-06-01). TWA 10 mg/m ³

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures

: 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.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	DNEL	Long term Dermal	1,7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2,35 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1,7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2,35 mg/m ³	Workers	Systemic
2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185	DNEL	Short term Inhalation	132,24 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	300 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	300 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	132,24 mg/m ³	Workers	Systemic
	DNEL	Short term	132,24	Workers	Systemic

		Inhalation	mg/m ³		
	DNEL	Long term Dermal	300 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	300 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	132,24 mg/m ³	Workers	Systemic
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	DNEL	Long term Dermal	10,5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	37 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	10,5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	37 mg/m ³	Workers	Systemic
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	DNEL	Long term Oral	0,5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	4,93 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1,4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0,87 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0,5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0,5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	4,93 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1,4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0,87 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0,5 mg/kg bw/day	General population	Systemic
2-hydroxy-2-methylpropiophenone	DNEL	Long term Oral	0,4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	3,5 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0,9 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0,5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0,4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	3,5 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0,9 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0,5 mg/kg bw/day	General population	Systemic

Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	DNEL	Long term Oral	1,5 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	1,67 ng/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	7,84 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	3,33 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	1,93 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	1,67 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	7,84 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	3 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1,93 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	1,5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	1,5 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	1,67 ng/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	7,84 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	3,33 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	1,93 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	1,67 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	7,84 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	3 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1,93 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	1,5 mg/kg bw/day	General population	Systemic
Glycerol, propoxylated, esters with acrylic acid	DNEL	Long term Dermal	2,1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	7,4 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	2,1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	7,4 mg/m ³	Workers	Systemic
aluminium oxide	DNEL	Long term Inhalation	0,75 mg/m ³	General population	Local
	DNEL	Long term Inhalation	3 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	3 mg/m ³	Workers	Local
	DNEL	Long term Oral	1,32 mg/kg bw/day	General population	Systemic

	DNEL	Long term Inhalation	0,75 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	0,75 mg/m ³	General population	Local
	DNEL	Long term Inhalation	3 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	3 mg/m ³	Workers	Local
	DNEL	Long term Oral	1,32 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0,75 mg/m ³	General population	Systemic
2,6-di-tert-butyl-p-cresol	DNEL	Long term Oral	0,25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1,76 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	0,5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0,435 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0,25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0,25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1,76 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	0,5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0,435 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0,25 mg/kg bw/day	General population	Systemic

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

- : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures

- : 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.

Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If

inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	:	Personal protective equipment for the body 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	:	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.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	liquid
Color	:	White.
Odor	:	Not available.
Odor threshold	:	Not available.
Melting point/freezing point	:	Not available.
Initial boiling point and boiling range	:	Not available.
Flammability	:	Not available.
Lower and upper explosion limit	:	Lower: Not available. Upper: Not available.
Flash point	:	Closed cup: 94 °C (201 °F)

Auto-ignition temperature	:	Not Available
Decomposition temperature	:	Not available.
pH	:	Product is non-polar/aprotic.
Viscosity	:	Dynamic Not available. : Kinematic Not available. :
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not applicable.
Vapor pressure	:	
Relative density	:	1,32
Vapor density	:	Not available.
Explosive properties	:	Not available.
Oxidizing properties	:	Not available.
VOC	:	0,09 %(m)

Particle characteristics

Median particle size	:	Not applicable.
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SECTION 10: Stability and reactivity

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	No specific data.
10.5 Incompatible materials	:	No specific data.
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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Product/ingredient name	Result	Species	Dose	Exposure
titanium dioxide				
	LD50 Oral	Rat	> 5 000 mg/kg	-
	LD50 Dermal	Rabbit	> 5 000 mg/kg	-
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate				
	LD50 Oral	Rat	6 200 mg/kg	-
2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185				
	LD50 Oral	Rat	588 mg/kg	-
	LC50 Inhalation Vapor	Rat	5 280 mg/l	4 h
	LD50 Dermal	Rat	2 000 mg/kg	-
Propylidynetrimethanol, ethoxylated, esters with acrylic acid				
	LD50 Dermal	Rabbit	13 000 mg/kg	-
2-hydroxy-2-methylpropiophenone				
	LD50 Oral	Rat	1 694 mg/kg	-
	LD50 Dermal	Rat	6 929 mg/kg	-
2,6-di-tert-butyl-p-cresol				
	LD50 Oral	Rat	890 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
920UV1199 WHITE G11	5592,3 mg/kg	N/A	N/A	N/A	N/A
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	6200 mg/kg	N/A	N/A	N/A	N/A
2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185	588 mg/kg	N/A	N/A	5280 mg/l	N/A
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	N/A	13000 mg/kg	N/A	N/A	N/A
2-hydroxy-2-methylpropiophenone	1694 mg/kg	6929 mg/kg	N/A	N/A	N/A
2-(hydroxymethyl)-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate	500 mg/kg	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	Eyes - Severe irritant	Rabbit	-	24 hrs	-
	Skin - Moderate irritant	Rabbit	-		-

Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Skin - Moderate irritant	Rabbit	-		-
	Eyes - Moderate irritant	Rabbit	-		-
2,6-di-tert-butyl-p-cresol	Eyes - Moderate irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Human	-	48 hrs	-
	Skin - Moderate irritant	Rabbit	-	48 hrs	-

Conclusion/Summary

Skin : Not available.
Eyes : Not available.
Respiratory : Not available.

Sensitization

Conclusion/Summary

Skin : Not available.
Respiratory : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185	Category 2	-	-

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain, watering, redness
Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
Ingestion : Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Not available.
General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties : Not available.
11.2.2 Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
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titanium dioxide			
	Acute LC50 > 1 000 mg/l Marine water	Fish - <i>Fundulus heteroclitus</i>	96 h
	Acute LC50 3 mg/l Fresh water	Crustaceans - <i>Ceriodaphnia dubia</i>	48 h
	Acute LC50 6,5 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i>	48 h
aluminium oxide			
	Acute EC50 114,357 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 h
2,6-di-tert-butyl-p-cresol			
	Acute EC50 1,44 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i>	48 h

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	2	-	low
2-Propen-1-one, 1-(4-morpholinyl)- CFR 721.5185	-0,46	-	low
Propylidynetrimehanol, ethoxylated, esters with acrylic acid	2,89	-	low
2-hydroxy-2-methylpropiophenone	1,62	-	low
2,2-bis[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate	2,11	-	low
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	5,77	5,00	low
Glycerol, propoxylated, esters with acrylic acid	2,52	-	low
2,6-di-tert-butyl-p-cresol	5,1	330,00 - 1 800,00	high

12.4 Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties : Not available.

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

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

- Methods of disposal** : The generation of waste should be avoided or minimized 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.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

Packaging

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	-	9003	-	-
14.2 UN proper shipping name	Not regulated.	SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C (TOLUENE)	Not regulated.	Not regulated.
14.3 Transport hazard class(es)	-	9	-	-

14.4 Packing group	-	-	-	-
14.5. Environmental hazards	No.	Yes.	No.	No.

Additional information

ADN : The product is only regulated as a dangerous good when transported in tank vessels.

14.6 Special precautions for user : 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.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

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 authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

Product/ingredient name	%	Designation [Usage]
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No listed substance

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

None of the components are listed.

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

None of the components are listed.

Persistent Organic Pollutants

None of the components are listed.

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Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

Austria - VbF class : A III

Classification, packaging and labeling : Not available.

Limitation of the use of organic solvents : Permitted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Chemical Weapons Convention List Schedule I Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule II Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule III Chemicals

None of the components are listed.

Montreal Protocol

None of the components are listed.

Stockholm Convention on Persistent Organic Pollutants

Annex A - Elimination - Production

None of the components are listed.

Annex A - Elimination - Use

None of the components are listed.

Annex B - Restriction - Production

None of the components are listed.

Annex B - Restriction - Use

None of the components are listed.

Annex C - Unintentional - Production

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Rotterdam Convention on Prior Informed Consent (PIC) - Industrial

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) -Severely hazardous pesticide

None of the components are listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Heavy metals - Annex 1

None of the components are listed.

POPs - Annex 1 - Production

None of the components are listed.

POPs - Annex 1 - Use

None of the components are listed.

POPs - Annex 2

None of the components are listed.

POPs - Annex 3

None of the components are listed.

Inventory list

Australia	:	Not determined.
Canada	:	Not determined.
China	:	Not determined.
Eurasian Economic Union	:	Russian Federation inventory: Not determined.
Japan	:	Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.
Viet Nam	:	Not determined.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- 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
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) - Category 2
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) - Category 3
Aquatic Chronic 4	AQUATIC HAZARD (LONG-TERM) - Category 4
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITIZATION - Category 1
Skin Sens. 1A	SKIN SENSITIZATION - Category 1A
Skin Sens. 1B	SKIN SENSITIZATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3

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