

RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

#1/10

In conformity to Regulation (EU) 2020/878

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer Trades code : BWRDL UFI: K3UX-J8CY-Y00N-GQ3N

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

Photographic Process Sectors of use: Professional use[SU22] Uses advised against Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

BELLINI FOTO S.r.I. VIA FERRIERA, 68 - 06089 - TORGIANO - PERUGIA ITALY Tel +39 075 985 174 Fax +39 075 985 288

E-mail:info@bellinifoto.it - Web: www.bellinifoto.it E-mail technical assistance: enrico.pompili@bellinifoto.it

Produced by BELLINI FOTO S.r.L. Via Ferriera, 68 06089 TORGIANO - PG - ITALY Tel. +39 075 985174

1.4. Emergency telephone number

Bellini Foto S.r.l. (PG) - Tel . +39 075 985 174

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008: Pictograms: GHS05, GHS08, GHS09 Hazard Class and Category Code(s):

Skin Corr. 1, Eye Dam. 1, Muta. 2, Aquatic Chronic 2

Hazard statement Code(s):

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

H341 - Suspected of causing genetic defects

H411 - Toxic to aquatic life with long lasting effects.

Corrosive product: causes severe skin burns and eye damage.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

The product is suspected of causing genetic defects

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008: Pictogram, Signal Word Code(s): GHS05, GHS08, GHS09 - Danger Hazard statement Code(s):





Precautionary statements:

General

SAFETY DATA SHEET

RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

Supplemental Hazard statement Code(s):

H314 - Causes severe skin burns and eye damage.H341 - Suspected of causing genetic defectsH411 - Toxic to aquatic life with long lasting effects.

EUH031 - Contact with acids liberates toxic gas.

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

#2/10

In conformity to Regulation (EU) 2020/878

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P303 + Wash contaminated clothing before reuse. P311 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning CTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w		ildren					
P201 - Obtain special instructions before use. P280 - Do not breathe dust, fume, gas, mist, vapours, spray. P273 - Void release to the environment. P280 - War protective gloves protective clothing eye protection face protection. Response P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+7330+P331 - JF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P331+P333 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P331+P333 - IF N EVES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P31 - Callect spillage. Storage P405 - Store tocked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UF: K3UX-J8CY-7000J-GQSN 23. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with actile warming ECTION3. Composition/information on ingredients	•						
P260 - Do not breathe dust, fume, gas, mist, vapours, spray. P264 - Thoroughly wash coldning after use. P273 - Avoid release to the environment. P280 - Thoroughly wash coldning after use. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P301+P331+P333 - IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P333 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P331 - Slote spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UIF: K3UX-SKOY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/VPVB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fasterings Packaging to be fitted with child-resistant fasterings Packaging to be fitted with child-resistant fasterings Packaging to be fitted with cor full text of hazard statem		ons before use					
P244 - Thoroughly wash clothing after use. P273 - Avoid release to the environment. P280 - Wear protective gloves protective clothing eye protection face protection. Response P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P331+P333 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P331+P333 - IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P305+P3313 - IF exposed or concerned: Get medical advice/attention. P301 - Immediately call a doctor if symptoms persist P303 - Vash contaminated clothing before reuse. P31 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/VPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant<			apours sprav				
P273 - Avoid reliase to the environment. P280 - Wear protective gloves protective clothing eye protection face protection. Response P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P331+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P306+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P331 - Store locked up. Disposal Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards Packaging to be fitted with child-resistant fastenings Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[ww] Index CAS EINECS REA Potassium metabisulfile >= 20 < 30%			apoulo, oplay.				
P280 - Wear protective gloves protective clothing eye protection face protection. Response P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P331+P333 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P331+P333 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to 6. Continue rinsing. P303+P331 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P303 - Wash contaminated clothing before reuse. P311 - Collect spillage. Storage P405 - Store locked up. Disposal	0,	0					
Response P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P303 + P331 - Olect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 23. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on Ingredients 3.1 Substances Irrilevant Substance Concentration[w/w] Classification index CAS EINECS REA Potassium metabisulfite Potassium metabisulfite >= 20 < 30%			ing eve protection face	protection			
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P333 - Wash contaminated clothing before reuse. P331 - Collect spillage. Storage P405 - Store locked up. Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UF: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/VPVB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Index CAS EINECS REA Potassium metabisulfite >= 20 < 30%			ing eye protection lact	protection.			
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P361-IF exposed or concerned: Get medical advice/attention. P308+P361-Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UF: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance		OWED: Rinse r	nouth Do NOT induce	vomitina			
shower] P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a doctor if symptoms persist P363 - Wash contaminated clothing before reuse. P310 - Ionendiately call a doctor if symptoms persist P363 - Wash contaminated clothing before reuse. P310 - Ionendiately call a doctor if symptoms persist P363 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[clothing Rinse	skin with wa	ter lor
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P308+P313 - IF exposed or concerned: Get medical advice/attention. P308+P313 - IF exposed or concerned: Get medical advice/attention. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P303 - Vash contaminated clothing before reuse. P31 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UIF: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/VPVB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactle warning ECTION3. Composition/information on ingredients 3.1 Substa		in (of fiair). Tak	e on mineulately all of	Jilaninaleu	ciounny. Tunse		
and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P308 - Immediately call a doctor if symptoms persist P339 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactle warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Potassium metabisulfite $\Rightarrow = 20 < 30\%$ $\frac{EUH031; Eye Dam. 1, H318}{ATE oral = 2,000, MD}$ 16731-55-8 240-795-3 $\frac{01-211}{422-45}$ 1	-	S. Rinse cautio	isly with water for sev	aral minutas	Remove cont	actionses if	nrecent
P308+P313 - IF exposed or concerned: Cet medical advice/attention. P310 - Immediately call a doctor if symptoms persist P333 - Wash contaminated clothing before reuse. P331 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPVB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Potassium metabisulfite $\Rightarrow 20 < 30\%$ EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 ND $mg/kgND16731-55-8240-795-31211$			asiy with water for sev			actienses, ii	present
P310 - Immediately call a doctor if symptoms persist P363 - Wash contaminated clothing before reuse. P391 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Potassium metabisulfite $\Rightarrow 20 < 30\%$ Potassium metabisulfite $= 2.00,0$ mg/kg ATE dermal = 2.000,0 mg/kg			edical advice/attention	,			
P363 - Wash contaminated clothing before reuse. P391 - Collect spillage. Storage P405 - Store locked up. Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Potassium metabisulfite $\Rightarrow = 20 < 30\%$ EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg ND 16731-55-8 240-795-3 4240-795-3 422-45 1							
P391 - Collect spillage. Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Potassium metabisulfite >= 20 < 30% EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg MD 16731-55-8 240-795-3 4240-795-3 4240-795-3 4240-795-3 4240-795-3 1 MED To termal = 2.000,0 mg/kg							
Storage P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant Substance Concentration[Www Potassium metabisulfite >= 20 < 30%		tilling belore rec	150.				
P405 - Store locked up. Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with a tactile warning ECTION3. Composition/Information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Potassium metabisulfite >= 20 < 30%							
Disposal P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/Information on ingredients 3.1 Substances Irrilevant Substance Refer to paragraph 16 for full text of hazard statements Substance Potassium metabisulfite = 20 < 30% EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg ND 16731-55-8 240-795-3 (01-211 422-45 1 01-211 422-45 1 01-211 422-45 1 01-211 422-45 1 0 0 mg/kg							
P501 - Dispose of contents and container in accordance with the laws in force Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] EUH031; Eye Dam. 1, H318 ATE coral = 2.000,0 mg/kg Index CAS EINECS REA Potassium metabisulfite >= 20 < 30%							
Contains: potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J&CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Classification Index CAS Potassium metabisulfite >= 20 < 30%	•	d container in a	cordance with the law	in force			
potassium hydroxide, Potassium metabisulfite, 4-aminopheno UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Potassium metabisulfite >= 20 < 30%							
UFI: K3UX-J8CY-Y00N-GQ3N 2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant Substance Concentration[WH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg Potassium metabisulfite >= 20 < 30%		m metabisulfite	1-aminonheno				
2.3. Other hazards The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant Substance Concentration[Values in the substance of the substa							
The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XII RESTRICTED TO PROFESSIONAL USERS Packaging to be fitted with child-resistant fastenings Packaging to be fitted with a tactile warning ECTION3. Composition/information on ingredients 3.1 Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Classification Index CAS EINECS REA Potassium metabisulfite >= 20 < 30% EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg							
Substance Concentration[w/w] Classification EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg Index CAS EINECS REA	2.3. Other hazards						
Substances Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Index CAS EINECS REA Potassium metabisulfite >= 20 < 30%	Packaging to be fitted with child Packaging to be fitted with a tac	-resistant faster tile warning	-				
Irrilevant 3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Index CAS EINECS REA Potassium metabisulfite >= 20 < 30%		ormation on in	ngredients				
3.2 Mixtures Refer to paragraph 16 for full text of hazard statements Substance Concentration[w/w] Classification Index CAS EINECS REA Potassium metabisulfite >= 20 < 30% EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg ND 16731-55-8 240-795-3 01-211 422-45 1	3.1 Substances						
Refer to paragraph 16 for full text of hazard statementsSubstanceConcentration[w/w]ClassificationIndexCASEINECSREAPotassium metabisulfite>= 20 < 30%	Irrilevant						
SubstanceConcentration[w/w]ClassificationIndexCASEINECSREAPotassium metabisulfite>= 20 < 30% $EUH031; Eye Dam. 1, H318$ ATE oral = 2.000,0 mg/kgND16731-55-8240-795-301-211 422-45 1							
SubstanceConcentration[w/w]ClassificationIndexCASEINECSREAPotassium metabisulfite>= 20 < 30%	3.2 Mixtures						
Potassium metabisulfite>= 20 < 30%							
w/wj EUH031; Eye Dam. 1, H318 ND 16731-55-8 240-795-3 01-211 422-45 Potassium metabisulfite >= 20 < 30% mg/kg ATE dermal = 2.000,0 mg/kg ND 16731-55-8 240-795-3 01-211 422-45		kt of hazard stat	ements				
Potassium metabisulfite $>= 20 < 30\%$ $ATE oral = 2.000,0$ Mg/kg ND 16731-55-8 240-795-3 422-45 ATE dermal = 2.000,0 Mg/kg	Refer to paragraph 16 for full te	Concentration[[[Index	CAS	EINECS	REACh
Potassium metabisulfite $>= 20 < 30\%$ $ATE oral = 2.000,0$ Mg/kg ND 16731-55-8 240-795-3 422-45 ATE dermal = 2.000,0 Mg/kg	Refer to paragraph 16 for full te	Concentration[[[Index	CAS	EINECS	REACh
Potassium metabisulfite >= 20 < 30% mg/kg ND 16731-55-8 240-795-3 422-45 ATE dermal = 2.000,0 mg/kg MD 16731-55-8 240-795-3 1	Refer to paragraph 16 for full te	Concentration[Classification	Index	CAS	EINECS	REACh
ATE dermal = 2.000,0 1 mg/kg	Refer to paragraph 16 for full te	Concentration[Classification EUH031; Eye Dam. 1, H318	Index	CAS	EINECS	
mg/kg	Refer to paragraph 16 for full tex	Concentration[w/w]	Classification EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0				01-211953
	Refer to paragraph 16 for full tex	Concentration[w/w]	Classification EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg				01-211953
	Refer to paragraph 16 for full tex	Concentration[w/w]	Classification EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0				01-211953
	Refer to paragraph 16 for full tex	Concentration[w/w]	Classification EUH031; Eye Dam. 1, H318 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg				01-211953



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

#3/10

In conformity to Regulation (EU) 2020/878

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
		h				
potassium hydroxide	>= 10 < 20%	Skin Corr. 2, H315; Eye Irrit. 2, H319 Limits: Skin Corr. 1A, H314 %C >=5; Skin Corr. 1B, H314 2<= %C <5; Skin Irrit. 2, H315 0,5<= %C <2; Eye Irrit. 2, H319 0,5<= %C <2; ATE oral = 333,0 mg/kg ATE dermal = 50,0 mg/kg	019-002-00-8	1310-58-3	215-181-3	01-2119487 136-33
4-aminopheno	>= 1 < 5%	Acute Tox. 4, H302; Acute Tox. 4, H332; Muta. 2, H341; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1	612-128-00-X	123-30-8	204-616-2	NR

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product).:

Take contaminated clothing Immediately off.

In case of contact with skin, wash immediately with water.

Consult a physician immediately

Direct contact with eyes (of the pure product) .:

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Drink water with egg white; do not give bicarbonate.

Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

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

IF exposed or concerned: Get medical advice/attention. If medical advice is needed, have product container or label at hand. Immediately call a doctor if symptoms persist

SECTION5. Firefighting measures



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

In conformity to Regulation (EU) 2020/878

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire. Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.
6.3.2 For cleaning up:
To clean the floor and all objects contaminated by this material use water
After wiping up, wash with water the area and materials involved
6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Wear protective gloves protective clothing eye protection face protection.

#4/10



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

In conformity to Regulation (EU) 2020/878

In residential areas do not use on large surfaces. At work do not eat or drink. See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool place, away from sources of heat and `direct exposure of sunlight.

7.3. Specific end use(s)

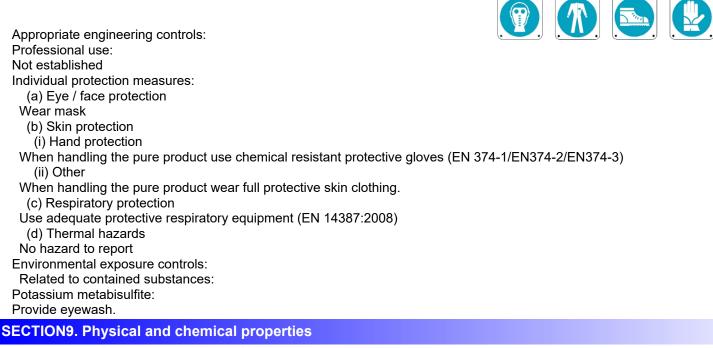
Professional use: Photographic and cinematographic treatment

SECTION8. Exposure controls/personal protection

8.1. Control parameters

Substance: Potassium metabisulfite
DNEL
Systemic effects Long term Workers inhalation = 263 (mg/m3)
Systemic effects Long term Consumers inhalation = 78 (mg/m3)
Systemic effects Long term Consumers oral = 10 (mg/kg bw/day)
PNEC
Sweet water = 1,17 (mg/l)
Sea water = 0,12 (mg/l)
STP = 88,1 (mg/l)
Substance: potassium hydroxide
DNEL
Local effects Long term Workers inhalation = 1 (mg/m3)
Local effects Long term Consumers oral = 1 (mg/kg bw/day)

8.2. Exposure controls



9.1. Information on basic physical and chemical properties

#5/10



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

#6/10

In conformity to Regulation (EU) 2020/878

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Colour	Not determined	
Odour	Not determined	
Odour threshold	undefined	
рН	14,00 ± 0.05 a 27 °C	pH METRO
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	Not determined	
Flash point	non flammable	ASTM D92
Evaporation rate	Not determined	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	1,375 g/ml a 27 °C	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

Related to contained substances: Potassium metabisulfite: Reducing agent: tends to decompose slowly releasing sulphur dioxide. potassium hydroxide: Reacts with water and acids.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

#7/10

In conformity to Regulation (EU) 2020/878

10.4. Conditions to avoid

Related to contained substances: Potassium metabisulfite: Avoid contact with air. potassium hydroxide: Avoid storing out over periods of time to prevent the degradation of the lot.

10.5. Incompatible materials

It can generate inflammable gases to contact with halogenated organic substances, elementary metals.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION11. Toxicological information

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

ATE(mix) oral = 17.182,1 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = 378,0 mg/l/4 h

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skincorrosion/irritation: Corrosive product: causes severe skin burns and eye damage.

potassium hydroxide: strong caustic effect on skin and mucous membranes.

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage. - If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris. potassium hydroxide: strong caustic effect.

(d) respiratoryorskinsensitisation: based on available data, the classification criteria are not met.

(e) germ cell mutagenicity: The product is suspected of causing genetic defects

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) eproductivetoxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposurebased on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Potassium metabisulfite:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5,5

potassium hydroxide:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion. Inhalation risk Evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

EFFECTS OF SHORT-TERM EXPOSURE: Corrosive The substance 'very corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion. Inhalation of an aerosol of this substance may cause lung edema (see Notes). EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: Repeated or prolonged contact with skin may cause dermatitis.

ACUTE HAZARDS / SYMPTOMS

Inhalation Corrosive. Burning sensation. Sore throat. Cough. Difficulty breathing. Shortness of breath. Symptoms may be delayed (see Notes).

SKIN Corrosive. Redness. Ache. Blisters. Serious skin burns.

EYES Corrosive. Redness. Ache. Blurred vision. Severe deep burns.

Ingestion Corrosive. Abdominal pain. Burning sensation. Shock or collapse.

LD50 (rat) Oral (mg/kg body weight) = 333



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

#8/10

In conformity to Regulation (EU) 2020/878

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 50

11.2. Information on other hazards

No data available.

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

Potassium metabisulfite:

EC50 Daphnia magna = 89 mg/l Value. test: 48 h

EC50 Desmodesmus subspicatus Value = 43.8 mg/l For. test: 72 h

LC50 Zebrafish 460-1000 mg/l for Value. test: 96 h

potassium hydroxide:

LC50: PesceGambusia affinis Value = 80 mg/l For. test: 96 h

LC50: aquatic Microorganisms mosquito Value = 80 mg/l For. test: 12:00 am

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances: Potassium metabisulfite: Cod = 140 mg O2/g potassium hydroxide: Not readily biodegradable

12.3. Bioaccumulative potential

Related to contained substances: Potassium metabisulfite: Do not bioaccumulate. potassium hydroxide: Not foreseeable potential for bioaccumulation.

12.4. Mobility in soil

Related to contained substances: potassium hydroxide: There is no specific information on this product.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No adverse effects

SECTION13. Disposal considerations



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

#9/10

In conformity to Regulation (EU) 2020/878

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 1760 ADR exemption because compliance with the following characteristics: Combination packagings: per inner packaging 5 L per package 30 Kg Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

14.2. UN proper shipping name

ADR/RID/IMDG: LIQUIDO CORROSIVO, N.A.S. (idrossido di potassio, 4-aminofenolo) ADR/RID/IMDG: CORROSIVE LIQUID, N.O.S. (potassium hydroxide, 4-aminopheno) ICAO-IATA: CORROSIVE LIQUID, N.O.S. (potassium hydroxide, 4-aminopheno)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 8 ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities ADR: Tunnel restriction code : E ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L IMDG - EmS : F-A, S-B

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous IMDG: Marine polluting agent : Yes

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement A.D.R. applicable national provisions.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

SECTION15. Regulatory information

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

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2003 n. 65 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. 26/02/2004 Work (Exposure Limits Professional); D.M. 03/04/2007 (Implementation of Directive n. 2006/8 / EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) 790 / 2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter).



RDL Sviluppo Pellicola Universale B&W - B&W Universal Film Developer

Issued on 10/07/2021 - Rel. # 1 on 10/07/2021

10 / 10

In conformity to Regulation (EU) 2020/878

Seveso category: E2 - ENVIRONMENTAL HAZARDS REGULATION (EU) No 1357/2014 - waste: HP8 - Corrosive HP11 - Mutagenic HP14 - Ecotoxic

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3 H318 = Causes serious eye damage. H315 = Causes skin irritation. H319 = Causes serious eye irritation. H302 = Harmful if swallowed. H332 = Harmful if inhaled. H341 = Suspected of causing genetic defects H400 = Very toxic to aquatic life. H410 = Very toxic to aquatic life with long lasting effects. Classification based on data of all mixture components Main normative references: Directive 1999/45/EC Directive 2001/60/EC Regulation 1272/2008/EC Regulation 2010/453/EC Regolamento529/2012 and subsequent updates This data sheet cancels and replaces any previous edition.

Geowin SDS rel. 10