\*

Printing date 05/15/2023	Reviewed on 05/15/2023
1 Identification	
· Product identifier	
· Trade name: Phenolphthalein Soln.	
0.5% in Methanol	
• Article number: CY066	
• Details of the supplier of the safety data sheet	t
• Manufacturer/Supplier: Aqua Solutions, Inc.	AQUA
6913 Highway 225	SOLUTIONS
DEER PARK, TX 77536 USA	
800-256-2586	
· Information department:	
Technical Coordinator	
Sherman Nelson shermann@aquasolutions.or • Emergency telephone number:	8
Chemtrec: 800-424-9300	
Canutec: 613-996-6666	
2 Hazard(s) identification	
· Classification of the substance or mixture	
GHS02 Flame	
Flammable Liquids 2	H225 Highly flammable liquid and vapor.
· · · · · · · · · · · · · · · · · · ·	
GHS06 Skull and crossbones	
Acute Toxicity - Oral 3	H301 Toxic if swallowed.
Acute Toxicity - Dermal 3	H311 Toxic in contact with skin.
Acute Toxicity - Inhalation 3	H331 Toxic if inhaled.
GHS08 Health hazard	
Carcinogenicity 2	H351 Suspected of causing cancer.
Toxic to Reproduction 2	H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child.
*	<i>ure 1 H370 Causes damage to the central nervous system and the</i>
	visual organs.
· Label elements	
• GHS label elements The product is classified • Hazard pictograms	and labeled according to the Globally Harmonized System (GHS).
GHS02 GHS06 GHS08	
	(Contd. on page 2

Printing date 05/15/2023

Reviewed on 05/15/2023

Trade	name:	Phenolphthalein Soln.
		0.5% in Methanol

Hard-determining components of labeling:         Methanol         Phenolphthalein         Henolphthalein         Highly flammable liquid and vapor.         Toxic if swallowed, in contact with skin or if inhaled.         Suspected of duansing cancer.         Suspected of duansing ferritity or the unborn child.         Causes damage to the central nervous system and the visual organs.         Precurinary statements         Obtain special instructions before use.         Do no thandle until all safety precautions have been read and understood.         Kee away from heat/sparts/sopen flames/hot surfaces No smoking.         Ground/bond container and receiving equipment.         Use explosion-proof electrical/ventilating/lighting/equipment.         Use explosion-proof electrical/ventilating/lighting/equipment.         Use explosion-proof electrical/ventilating/lighting/equipment.         Use explosion-proof electrical/ventilated area.         Was notached ustfume/spants/spans/spans.         Wash toroughly diper handling.         Do not ead, the systeme elevent and keep condorbaling.         Fiswallowed: immediately call a poison center/doctor.         Spacific treatment (see on this label).         Rins mouth.         If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.         If Exposed or concerr	· Signal word Danger	(Contd. of page 1)
Methanol Phenolphthalein Phenolphthalein Highly flammable liquid and vapor. Toxic if ysallowed, in contact with skin or if inhaled. Suspected of causing cancer. Suspected of damaging ferility or the unborn child. Causes damage to the central nervous system and the visual organs. Precautionary statements Dotain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep avay from heat/sparshopen flameShoto surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/rentilating/lighting/equipment. Use explosion-proof electrical/rentilating/lighting/equipment. Use explosion-proof electrical/rentilating/lighting/equipment. Use explosion-proof electrical/rentilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breath daxiffume/gaydmixt/apars/spray. Wash thoroughly after handling. Do not et at, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If NHALED: Remove person to fresh air and keep comfortable for breathing. If wallowed: Immediately call a onison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If NHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store in a well-vent	• -	
Phenolphthalein Hard Statements Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system and the visual organs. Precautionary statements Obtain special instructions before use. Do not handle until all sightly precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/flipting/equipment. Use explosion-proof electrical/ventilating/flipting/equipment. Use explosion-proof electrical/ventilating/flipting/equipment. Use explosion-proof electrical/ventilating/flipting/equipment. Use explosion-proof electrical/ventilating/flipting/equipment. Use explosion-proof electrical/ventilating. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eta, drink or smoke when using this product. Use only outdoors or in a vell-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If Exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash i before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Classification system:</b> <b>NFIPA attings (scale 0 - 4)</b> <b>HullS-ratings</b> <b>Reactivity = 0</b> <b>HullS-ratings</b> <b>Reactivity = 0</b>		
<ul> <li>Hacan<sup>d</sup> statements         Highly flammable liquid and vapor.         Toxic if swallowed, in contact with skin or if inhaled.         Suspected of causing cancer.         Suspected of duanging fertility or the unborn child.         Causes damage to the central nervous system and the visual organs.         Precautionary statements         Obtain special instructions before use.         Do not handle until all safety precautions have been read and understood.         Kee aways from heat/part/skyoen flame/sknots urfaces No smoking.         Ground/bond container and receiving equipment.         Use explosion-proof electrical/ventilating/lighting/equipment.         Use only non-sparking tools.         Take precautionary measures against static discharge.         Do not the dust/fume/ga/smist/apors/skyray.         Wash thoroughly direr handling.         Do not read, dirnk or smoke when using this product.         Use only outdoors or in a well-ventilated area.         Wear protective gloves/protective clothing/eye protection/face protection.         He swallowed:         Immediately call a poison center/doctor.         Specific treatment (see on this label).         Kinse mouth.         If NINALED: Remove person to fresh air and keep comfortable for breathing.         If son skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.         If KINALED: Remove person to fresh air and keep comfortable for breathing.         If a poison center/doctor if you feel unwell.         Store in a well-ventilated place. Keep cool.         Store in a well-ventilated place. Keep cool.         Store in a well-ventilated place.         Keep cool.         Store in a well-ventilated place.         Keep cool.         Store in a well-ventilated place.         Keep cool.         Store in a well-ventilated place.         Keep cool.         Store in a well-ventilated place.         Keep cool.         Store in a well-ventilated place.         Keep cool.         Store in a well-ventilated</li></ul>		
Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system and the visual organs. <b>Precautionary statements</b> Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not ad., drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eve protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If pressed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep cool. Store in a well-ventilated pla		
Toxic if swallowed, in contact with skin or if inhaled. Suspected of causing cancer: Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system and the visual organs. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not or eat, drink or smoke when using this product. Use only non-sparking tools. Take precautionary measures against static discharge. Do not reat dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only nouldoors or in a well-wentilated area. Wear protective gloves/protective clothing/cyc protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If FINHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Classification system:</b> NFPA ratings (scale 0 - 4) <b>If WAIT S</b> Health = 3 Fire = 5 Fire = 5 Fire = 5 Fire = 5 Fire = 5 Fire = 5 Fire = 5 Fir		
Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system and the visual organs. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/venillating/lighting/equipment. Use explosion-proof electrical/venillating/lighting/equipment. Use explosion-proof electrical/venillating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash throwighly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF NHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store in a well-		
Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system and the visual organs. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. War protective gloves/protective clothing/eye protection/face protection. If evallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exploved is concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash i before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store in a well-ve		
Causes damage to the central nervous system and the visual organs. Precautionary statements Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Weash thoroughly difter handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective elower/protective elower/protective lower/protective allower/protective elower/protective		
Precutionary statementsObtain special instructions before use.Do not handle until all safety precautions have been read and understood.Keep away from heat/sparks/open flames/hot surfaces No smoking.Ground/bond container and receiving equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof glectrical/ventilating/lighting/equipment.Use explosion-proof glocy for endetter.If NHALED: Remove person to fresh air and keep comforable for breathing.If explose or concernet/doctor if you feel unwell.Take off immediately all contaminated		
Obtain special instructions before use.Do not handle until all safety precautions have been read and understood.Keep away from heat/sparks/open flames/hot surfaces No smoking.Ground/bond container and receiving equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use only non-sparking tools.Take precautionary measures against static discharge.Do not breathe dust/fume/gas/mist/vapors/spray.Wash thoroughly affer handling.Do not eat, drink or smoke when using this product.Use only outdoors or in a well-ventilated area.Wear protective gloves/protective clothing/eye protection/face protection.If swallowed: Immediately call a poison center/doctor.Specific treatment (see on this label).Rinse mouth.If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.IF F KNPALED: Remove person to fresh air and keep comfortable for breathing.IF exposed or concerned: Get medical advice/attention.Call a poison center/doctor if you feel unwell.Take off immediately all contaminated clothing and wash it before reuse.In case of fire: Use CO2, powder or water spray to extinguish.Store in a well-ventilated place. Keep cool.Store in a well-ventilated place. Keep cool.MEALT		
Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not each drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF ENHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep contol. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep contoiner in accordance with local/regional/national/international regulations. <b>Classification system:</b> NFPA ratings (scale 0 - 4) <b>MELT 2</b> <b>Health = 2</b> Fire = 3 Reactivity = 0 <b>HMIS-ratings (scale 0 - 4)</b> <b>Health = 3</b> Fire = 3 Reactivity = 0		
Keep away from heat/sparks/open flames/hot surfaces No smoking.Ground/bond container and receiving equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use only non-sparking tools.Take precationary measures against static discharge.Do not breat, drink or smoke when using this product.Use only outdoors or in a well-ventilated area.Wear protective gloves/protective clothing/eye protection/face protection.If swallowed: Immediately call a poison center/doctor.Specific treatment (see on this label).Rinse mouth.If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.IF INHALED: Remove person to fresh air and keep comfortable for breathing.IF exposed or concerned: Get medical advice/attention.Call a poison center/doctor if you feel unwell.Take off immediately all contaminet clothing and wash it before reuse.In case of fire: Use CO2, powder or water spray to extinguish.Store in a well-ventilated place. Keep cool.Store in a well-ventilated place. Keep cool. <td></td> <td></td>		
Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash throwoughly after handling. Do not eat, drink or smoke when using this product. Use only nouteloors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Classification system:</b> NFPA ratings (scale 0 - 4) <b>IMIS-ratings (scale 0 - 4)</b> <b>IMIS-ratings (scal</b>		
Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precoutionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If F INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Classification system: NFPA ratings (scale 0 - 4) Fire = 3 Reactivity = 0 Halth = 2 Fire = 3 Reactivity = 0 Holth = 3 Fire = 3 Reactivity = 0		
Use only non-sparking tools. Take precuutionary measures against static discharge. Do not breathe dust/inwe/gas/mist/sapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove persons to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store in coked up. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Classification system:</b> <b>NFPA ratings (scale 0 - 4)</b> <b>Hulls-ratings (scale 0 - 4)</b> <b>Hulls = 3</b> <b>Fire = 3</b> <b>Fi</b>		
Take precautionary measures against static discharge. Do not breathe dust/jume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Classification system:</b> <b>NFPA ratings (scale 0 - 4)</b> <b>Halls-ratings (scale 0 - 4)</b> <b>HAILS-ratings (sca</b>		
Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Halth = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) • Miss-ratings (scale 0 - 4) • Classification system: • NFPA ratings (scale 0 - 4) • Classification system: • Other hazards		
Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) Health = 3 Fire = 3 Reactivity = 0 • Other hazards		
Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store iocked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 Health = 3 Fire = 3 Reactivity = 0 • Other hazards		
Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Halth = 2 Fire = 3 Reaccivity = 0 - HMIS-ratings (scale 0 - 4) Mealth = 3 Fire = 3 Reaccivity = 0 - Other hazards		
Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF iNHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4)		
If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Classification system:</b> <b>NFPA ratings (scale 0 - 4)</b> Health = 2 Fire = 3 Reactivity = 0 <b>HMIS-ratings (scale 0 - 4)</b> Health = 3 FIRE 1 FIRE 1 FIRE 3 Fire = 3 Reactivity = 0 <b>Other hazards</b>	•	
Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale $0 - 4$ )	Wear protective gloves/protective clothing/eye protection/face protection.	
Rinse mouth.If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.IF INHALED: Remove person to fresh air and keep comfortable for breathing.IF exposed or concerned: Get medical advice/attention.Call a poison center/doctor if you feel unwell.Take off immediately all contaminated clothing and wash it before reuse.In case of fire: Use CO2, powder or water spray to extinguish.Store in a well-ventilated place. Keep container tightly closed.Store in a well-ventilated place. Keep cool.Store in a well-ventilated place. Keep cool.Store locked up.Dispose of contents/container in accordance with local/regional/national/international regulations.• Classification system:• NFPA ratings (scale 0 - 4)Image: State of the system of	If swallowed: Immediately call a poison center/doctor.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 Health = 3 Fire = 3 REACTIVITY 0 • Other hazards	Specific treatment (see on this label).	
IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 Health = 3 FIRE 3 REACTIVITY 0 • Other hazards	Rinse mouth.	
IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 Health = 3 FIRE 3 REACTIVITY 0 • Other hazards	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/sho	wer.
IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) Health = 3 Fire = 3 REACTIVITY O • Other hazards	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) Health = 3 FIRE $3$ Reactivity = 0 • Other hazards		
Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 FIRE 3 Fire = 3 REACTIVITY 0 Reactivity = 0 • Other hazards		
In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 FIRE 3 Fire = 3 REACTIVITY 0 Reactivity = 0 • Other hazards		
Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • <b>Classification system:</b> • <b>NFPA ratings (scale 0 - 4)</b> <b>Health = 2</b> Fire = 3 Reactivity = 0 • <b>HMIS-ratings (scale 0 - 4)</b> <b>HEALTH 3</b> <b>Health = 3</b> FIRE 3 <b>FIRE 3</b> <b>FIRE 3</b>		
Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH $\begin{bmatrix} 3\\FIRE & 3\\FIRE & 3\\Reactivity & 0 \end{bmatrix}$ Health = 3 Fire = 3 Reactivity = 0 • Other hazards		
Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 FIRE 3 FIRE 3 Reactivity = 0 • Other hazards		
Dispose of contents/container in accordance with local/regional/national/international regulations. • Classification system: • NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 • HMIS-ratings (scale 0 - 4) HEALTH 3 FIRE 3 REACTIVITY 0 Health = 3 Fire = 3 Reactivity = 0 • Other hazards		
$\begin{array}{l} \cdot Classification system: \\ \cdot NFPA ratings (scale 0 - 4) \\ \hline \begin{array}{c} & \\ \end{array} \\ \hline \begin{array}{c} & \\ \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} Health = 2 \\ Fire = 3 \\ Reactivity = 0 \end{array} \\ \cdot HMIS-ratings (scale 0 - 4) \\ \hline \begin{array}{c} HEALTH & 3 \\ FIRE & 3 \\ REACTIVITY \end{array} \\ \hline \begin{array}{c} Health = 3 \\ Fire = 3 \\ Reactivity = 0 \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \end{array} \\ \hline \bigg ] \\ \hline \end{array} \\ \hline \bigg $ \\ \hline \bigg  \\ \\		ations
$ \cdot NFPA \ ratings (scale 0 - 4) $ $ Health = 2 $ $ Fire = 3 $ $ Reactivity = 0 $ $ \cdot HMIS \ ratings (scale 0 - 4) $ $ Health = 3 $ $ Fire = 3 $ $ Reactivity = 0 $ $ \cdot Other \ hazards $		
Health = 2 $Fire = 3$ $Reactivity = 0$ $HMIS-ratings (scale 0 - 4)$ $HEALTH 3$ $Health = 3$ $FIRE 3$ $Fire = 3$ $Reactivity = 0$ $Other hazards$		
Fire = 3 $Reactivity = 0$ $HMIS-ratings (scale 0 - 4)$ $HEALTH 3$ $Health = 3$ $Fire = 3$ $REACTIVITY 0$ $Reactivity = 0$ $Other hazards$	A A A A A A A A A A A A A A A A A A A	
Fire = 3 $Reactivity = 0$ $HMIS-ratings (scale 0 - 4)$ $HEALTH 3$ $Health = 3$ $Fire = 3$ $REACTIVITY 0$ $Reactivity = 0$ $Other hazards$	Health = 2	
$\begin{array}{c} HMIS-ratings (scale 0 - 4) \\ \hline HEALTH 3 \\ FIRE 3 \\ FIRE 3 \\ REACTIVITY 0 \\ \hline Reactivity = 0 \\ \hline \end{array}$	Fire = $3$	
HMIS-ratings (scale 0 - 4)         HEALTH       Image: Health = 3         FIRE       Fire = 3         REACTIVITY       Reactivity = 0         • Other hazards	$2 \times 0$ Reactivity = 0	
HEALTH $3$ Health = 3FIRE $3$ Fire = 3REACTIVITYReactivity = 0· Other hazards	• •	
FIRE       3         FIRE       3         REACTIVITY $\bigcirc$ Reactivity = 0         • Other hazards		
<b>REACTIVITY</b> $\bigcirc$ Reactivity = 0 • Other hazards	$\frac{\text{HEALTH}}{3} Health = 3$	
• Other hazards	FIRE 3 $Fire = 3$	
• Other hazards	<b>REACTIVITY</b> [0] Reactivity = 0	
	· Other hazards	

- **Results of PBT and vPvB assessment PBT:** Not applicable.

(Contd. on page 3) US

Printing date 05/15/2023

Reviewed on 05/15/2023

Trade name: Phenolphthalein Soln.

0.5% in Methanol

(Contd. of page 2)

99.369%

0.631%

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

- · Dangerous components:
- CAS: 67-56-1 Methanol
- CAS: 77-09-8 Phenolphthalein

### 4 First-aid measures

- · Description of first aid measures
- · General information:
- Immediately remove any clothing soiled by the product.
- Remove breathing apparatus only after contaminated clothing have been completely removed.
- In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:
- Supply fresh air or oxygen; call for doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

### **5** *Fire-fighting measures*

- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

### 6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.*
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

(Contd. on page 4)

US

Printing date 05/15/2023

Reviewed on 05/15/2023

# Trade name: Phenolphthalein Soln.

0.5% in Methanol

(Contd. of page 3)

• **Reference to other sections** See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### · Protective Action Criteria for Chemicals

• PAC-1:	
CAS: 67-56-1 Methanol	530 ppm
CAS: 77-09-8 Phenolphthalein	4 mg/m <sup>3</sup>
· PAC-2:	
CAS: 67-56-1 Methanol	2,100 ppm
CAS: 77-09-8 Phenolphthalein	44 mg/m <sup>3</sup>
· PAC-3:	
CAS: 67-56-1 Methanol	7200* ppm
CAS: 77-09-8 Phenolphthalein	260 mg/m <sup>3</sup>

# 7 Handling and storage

### · Handling:

- Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
  Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- *Further information about storage conditions: Keep receptacle tightly sealed.*

Store in cool, dry conditions in well sealed receptacles.

• Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

· Control parameters

• Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

### CAS: 67-56-1 Methanol

PEL Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

REL Short-term value: 325 mg/m<sup>3</sup>, 250 ppm Long-term value: 260 mg/m<sup>3</sup>, 200 ppm Skin

(Contd. on page 5)

US

(Contd. of page 4)

### Safety Data Sheet acc. to OSHA HCS

Printing date 05/15/2023

Reviewed on 05/15/2023

#### Trade name: Phenolphthalein Soln. 0.5% in Methanol

TLV Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI

### · Ingredients with biological limit values:

### CAS: 67-56-1 Methanol

BEI 15 mg/L

LD50 Intraperitoneal: urine Time: end of shift LD50: Methanol (background, nonspecific)

• Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

#### · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

· **Body protection:** Protective work clothing

(Contd. on page 6)

Printing date 05/15/2023

\*

Reviewed on 05/15/2023

Trade name: Phenolphthalein Soln. 0.5% in Methanol

(Contd. of page 5)

· Information on basic physical and che	mical properties
• General Information	micai properties
· Appearance:	
Form:	Liquid
Color:	Clear
· Odor:	Methanol
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	-97.8 °C (-144 °F)
<b>Boiling point/Boiling range:</b>	64 °C (147.2 °F)
· Flash point:	11 °C (51.8 °F)
· Flammability (solid, gaseous):	Highly flammable.
· Auto igniting:	455 °C (851 °F)
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
• Danger of explosion:	Product is not explosive. However, formation of explosive air/vapo mixtures are possible.
• Explosion limits:	
Lower:	5.5 Vol %
Upper:	44 Vol %
· Vapor pressure at 20 °C (68 °F):	128 hPa (96 mm Hg)
· Density at 20 °C (68 °F):	0.79205 g/cm <sup>3</sup> (6.60966 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	99.4 %
VOC content:	99.37 %
	787.0 g/l / 6.57 lb/gal
Solids content:	0.6 %
• Other information	No further relevant information available.

(Contd. on page 7)

Printing date 05/15/2023

Reviewed on 05/15/2023

# Trade name: Phenolphthalein Soln.

0.5% in Methanol

(Contd. of page 6)

### **10 Stability and reactivity**

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

### **11 Toxicological information**

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

# ATE (Acute Toxicity Estimate)

Oral	LD50	101 mg/kg
		302 mg/kg
Inhalative	LC50/4h	3.02 mg/l

#### · Primary irritant effect:

• on the skin: No irritant effect.

• on the eye: No irritating effect.

• Sensitization: No sensitizing effects known.

#### · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Toxic

### · Carcinogenic categories

· IARC (International Agency for Research on Cancer)	
CAS: 77-09-8 Phenolphthalein	2B
· NTP (National Toxicology Program)	
CAS: 77-09-8 Phenolphthalein	R
· OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	

### **12** Ecological information

#### · Toxicity

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:

· General notes:

Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

(Contd. on page 8)

<sup>-</sup> US

Printing date 05/15/2023

Reviewed on 05/15/2023

Trade name: Phenolphthalein Soln. 0.5% in Methanol

(Contd. of page 7)

•	Results	of	PBT	and	vPvB	assessment
---	---------	----	-----	-----	------	------------

· **PBT:** Not applicable.

· vPvB: Not applicable.

• Other adverse effects No further relevant information available.

# **13 Disposal considerations**

• Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

· UN-Number		
· DOT, IMDG, IATA	UN1993	
· UN proper shipping name		
$\cdot DOT$	Flammable liquids, n.o.s. (Methanol)	
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (Methanol)	
· Transport hazard class(es)		
·DOT		
R.AMMARIE LIQUD		
3		
· Class	3 Flammable liquids	
· Label	3	
· IMDG, IATA		
· Class	3 Flammable liquids	
· Label	3	
· Packing group		
· DOT, IMDG, IATA	II	
· Environmental hazards:		
• Marine pollutant:	No	
$\cdot$ Special precautions for user	Warning: Flammable liquids	
$\cdot$ Hazard identification number (Kemle		
· EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>	
· Stowage Category	В	

Printing date 05/15/2023

Reviewed on 05/15/2023

Trade name: Phenolphthalein Soln. 0.5% in Methanol

	(Contd. of page 8
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· Quantity limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 60 L
- IMDG	
Limited quantities (LQ)	1L
$\cdot$ Excepted quantities ( $\widetilde{EQ}$ )	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN ''Model Regulation'':	UN 1993 FLAMMABLE LIQUID, N.O.S. (METHANOL), 3, II

# **15 Regulatory information**

\*

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
All ingredients are listed.	
TSCA (Toxic Substances Control Act):	
Methanol	ACTIV
Phenolphthalein	ACTIV
Hazardous Air Pollutants	
CAS: 67-56-1 Methanol	
Proposition 65	
Chemicals known to cause cancer:	
CAS: 77-09-8 Phenolphthalein	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
CAS: 67-56-1 Methanol	
Carcinogenic categories	
EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
TLV (Threshold Limit Value)	
None of the ingredients is listed.	
	(Contd. on page

Printing date 05/15/2023

Reviewed on 05/15/2023

Trade name: Phenolphthalein Soln. 0.5% in Methanol

(Contd. of page 9)

|--|

None of the ingredients is listed.

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms* 



· Signal word Danger

· Hazard-determining components of labeling: Methanol **Phenolphthalein** · Hazard statements Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system and the visual organs. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. *Call a poison center/doctor if you feel unwell.* Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 11)

Printing date 05/15/2023

\*

Reviewed on 05/15/2023

Trade name: Phenolphthalein Soln. 0.5% in Methanol

(Contd. of page 10)

This information is based on our present knowledge. However, this shall not constitute a guar	cantee for
specific product features and shall not establish a legally valid contractual relationship.	uniee joi
Department issuing SDS: Environment protection department.	
Contact:	
Date of preparation / last revision	
Revision 1.0 05/15/2023, reviewed SDS for accuracy. STN	
Revision 1.0 01-10-2022, removed fluoride and sulfate from ingredients. STN	
05/15/2023	
Abbreviations and acronyms:	
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation IATA: International Air Transport Association	
EINECS: European Inventory of Existing Commercial Chemical Substances	
ELINCS: European List of Notified Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
NIOSH: National Institute for Occupational Safety	
OSHA: Occupational Safety & Health	
TLV: Threshold Limit Value PEL: Permissible Exposure Limit	
REL: Recommended Exposure Limit	
BEI: Biological Exposure Limit	
Flammable Liquids 2: Flammable liquids – Category 2	
Acute Toxicity - Oral 3: Acute toxicity – Category 3	
Carcinogenicity 2: Carcinogenicity – Category 2	
Toxic to Reproduction 2: Reproductive toxicity – Category 2	
Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1	