Printing date 05/29/2024

*

*

Reviewed on 05/29/2024

rinting date 05/29/2024	Reviewed on 05/29/202-
1 Identification	
· Product identifier	
• Trade name: <u>Bromothymol Blue 0.1%</u> in Methanol	
· Article number: SPE207	
Details of the supplier of the safety data sheet	
• Manufacturer/Supplier: Aqua Solutions, Inc.	
6913 Highway 225	SOLUTIONS
DEER PARK, TX 77536	
USA	
800-256-2586	
· Information department:	
Technical Coordinator	
Sherman Nelson shermann@aquasolutions.org • Emergency telephone number:	
Chemtrec: 800-424-9300	
Canutec: 613-996-6666	
Flammable Liquids 2 GHS06 Skull and crossbones Acute Toxicity - Oral 3 Acute Toxicity - Dermal 3 Acute Toxicity - Inhalation 3	H225 Highly flammable liquid and vapor. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled.
GHS08 Health hazard	
Specific Target Organ Toxicity - Single Exposure 1	H370 Causes damage to the central nervous system and th visual organs.
Hazard pictograms	labeled according to the Globally Harmonized System (GHS).
GHS02 GHS06 GHS08 • Signal word Danger	
• Hazard-determining components of labeling: Methanol	
memunoi	(Contd. on page)

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

Highly flammable liquid and vapor. Taxic if swallowed, in contact with skin or if inhaled. Causes damage to the certral nervous system and the visual organs. Precautionary statements 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/exp 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 I NHALED: Remove person to fresh air and keep comfortable for breathing. If 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. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 Cher hazards Results of PBT and vPVB assessment PBT: Not applicable.	Hazard statements	(Contd. of page
Toxic if swallowed, in contact with skin or if inhaled. Causes damage to the central nervous system and the visual organs. Precautionary statements Keep away from head/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 only non-sparking tools. Take precautionary measures against static discharge. Do not reathe 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-venillated 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 in Skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If is prosed: Call a POISON CENTER or doctor/physician. 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 container tightly closed. Store in a well-ventilated place. Keep container with local/regional/national/international regulations. Classification system: NFPA ratings (scale 0 - 4) HEALTI 2 HEALTI 3 HEALTI 2 HEALTI 3 HEALTI 2 HEALTI 2 HEALTI 3 HEALTI 3 HEALTI 2 HEALTI 3 HEALTI 3 HEALTI 4 HEALTI 4 HEALTI 4 HEALTI 5 HEALTI 5 HEALTI 5 HEALTI 5 HEALTI 5 HEALTI 5		
Causes damage to the central nervous system and the visual organs. Precautionary statements Ree pawsy 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 shir (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in Shir (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If is NALED: Remove person to fresh air and keep comfortable for breathing. If exposed: Call a POISON CENTER or doctor/physician. 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) Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPVB assessment BET: Not applicable.		
Precautionary statementsKeep away from head/sparks/open flames/hot surfaces No smoking.Ground/Dond container and receiving equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use explosion-proof electrical/ventilating/lighting/equipment.Use only non-sparking tools.Do not breathe dust/fume/gas/mist/vapors/spray.Wash thoroughly difer handling.Do not teat, 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: Call a POISON CENTER or doctor/physician.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 exinguish.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:NFFA ratings (scale 0 - 4)Image: State of the spray o		
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 breath edust/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/ey 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: Call a POISON CENTER or doctor/physician. 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) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPVB assessment PBT: Not applicable.		
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 breath dust/fume/gas/mist/vapors/spray. Wash thoroughly dife handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective cloue/sprotective cloue/sprotectivecloue/sprotectiveclou		
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 difer 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: Call a POISON CENTER or doctor/physician. 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 2 Fire = 3 Reactivity = 0 Other hazards Reusitis of PBT and vPvB assessment PBT: Not applicable.		
Use only non-sparking tools. Take precautionary measures against static discharge. Do not breath 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: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
Take precautionary measures against static discharge. Do not breathe dus/fiume/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 is wallowed: 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: Call a POISON CENTER or doctor/physician. 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) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 Cher hazards Reactivity = 0 Cher hazards Results of PBT and vPvB assessment PBT: Not applicable.		
Do not breathe dist/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: Call a POISON CENTER or doctor/physician. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. In case off ine: 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 $\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$		
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: Call a POISON CENTER or doctor/physician. 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 of contents/container in accordance with local/regional/national/international regulations. Classification system: NFPA ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 Other hazards Reactivity = 0 Other hazards Results of PBT and vPVB assessment PBT: Not applicable.		
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: Call a POISON CENTER or doctor/physician. 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 of contents/container in accordance with local/regional/national/international regulations. Classification system: NFPA ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT : Not applicable.		
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: Call a POISON CENTER or doctor/physician. 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 cond. 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 2 Health = 2 Fire = 3 Reactivity = 0 Content by Container 1 Content by Container 1 Container 1 Content by Container 1	Wash thoroughly after handling.	
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: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 Reactivity = 0 Chren hazards Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.	Do not eat, drink or smoke when using this product.	
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: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 Reactivity = 0 Chren hazards Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.	Use only outdoors or in a well-ventilated area.	
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: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 Reactivity = 0 DMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 Fire = 3 Reactivity = 0 DMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 FIRE 3 Reactivity = 0 DMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 FIRE 3 Reactivity = 0 DMIS-ratings (scale 0 - 4) HEALTH 2 HEALTH 2 HEALTH 2 HEALTH 2 HEALTH 3 Reactivity = 0 DMIS-ratings (scale 0 - 4) HEALTH 3 HEALTH 4 HEALTH 4 HEALTH 4 HEALTH 5 HEALTH 4 HEALTH 5 HEALTH 7 HEALTH 7 HE		
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: Call a POISON CENTER or doctor/physician.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)Image: Store locked up.Health = 2 Fire = 3 Reactivity = 0HIS-ratings (scale 0 - 4)Image: Store lockel up.Image: Store lockel up.Other hazards Reactivity = 0Coher hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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: Call a POISON CENTER or doctor/physician. 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 [] Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		ower
IF exposed: Call a POISON CENTER or doctor/physician. 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 2 Health = 2 Fire = 3 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		iower.
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 2 Health = 2 FIRE 3 Reactivity = 0 Cother hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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 2 FIRE 3 REACTIVITY 0 Cher hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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 2 FIRE 3 Reactivity 0 Health = 2 Fire = 3 Reactivity 0 Cother hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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 2 Health = 2 Fire = 3 REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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 2 Health = 2 FIRE 3 REACTIVITY 0 Cother hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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 2 FIRE 3 REACTIVITY 0 Cother hazards Results of PBT and vPvB assessment PBT: Not applicable.		
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 2 FIRE 3 REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
Classification system: NFPA ratings (scale $0 - 4$) Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale $0 - 4$) HEALTH 2 FIRE 3 REACTIVITY 0 Chter hazards Results of PBT and vPvB assessment PBT: Not applicable.	•	
NFPA ratings (scale $0 - 4$) Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale $0 - 4$) HEALTH 2 Health = 2 FIRE 3 REACTIVITY 0 Viter hazards Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		lations.
Health = 2 Fire = 3 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 FIRE 3 REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
Fire = 3 Reactivity = 0 HMIS-ratings (scale $0 - 4$) HEALTH 2 Health = 2 FIRE 3 REACTIVITY 0 Cother hazards Results of PBT and vPvB assessment PBT: Not applicable.	NFPA ratings (scale 0 - 4)	
Fire = 3 Reactivity = 0 HMIS-ratings (scale $0 - 4$) HEALTH 2 Health = 2 FIRE 3 REACTIVITY 0 Cother hazards Results of PBT and vPvB assessment PBT: Not applicable.		
Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 FIRE 3 REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
HMIS-ratings (scale 0 - 4) HEALTH 2 FIRE 3 REACTIVITY 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
HEALTH 2 FIRE 3 Fire 3 REACTIVITY 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.	\mathbf{V} Reactivity = 0	
HEALTH 2 FIRE 3 Fire 3 REACTIVITY 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.	HMIS-ratings (scale 0 - 4)	
FIRE 3 Fire = 3 REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. PBT		
REACTIVITY Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.	$\frac{\text{HEALTH}}{2} Health = 2$	
Other hazards Results of PBT and vPvB assessment PBT: Not applicable.	EBE 3 $Fire - 3$	
Other hazards Results of PBT and vPvB assessment PBT: Not applicable.		
Results of PBT and vPvB assessment PBT: Not applicable.		
PBT: Not applicable.	REACTIVITY O Reactivity = 0	
	REACTIVITY 0 Reactivity = 0 Other hazards	
vPvB: Not applicable.	REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment	
	REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. PBT: Not applicable.	
	REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment	
	REACTIVITY 0 Reactivity = 0 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. PBT: Not applicable.	

- · Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 67-56-1 Methanol

99.874% (Contd. on page 3)

US

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

(Contd. of page 2)

0.126%

· Table of Nonhazardous Ingredients

CAS: 76-59-5 Bromothymol Blue

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.

- 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: Dilute with plenty of water.
 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.
 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.

(Contd. on page 4)

US –

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

(Contd. of page 3)
530 ppm
30 mg/m ³
2,100 ppm
330 mg/m ³
7200* ppm
2,000 mg/m ³

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.
- \cdot Further information about storage conditions:
- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- $\cdot \textit{Specific end use}(s) \textit{ No further relevant information available}.$

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:

CAS: 67-56-1 Methanol

- PEL Long-term value: 260 mg/m³, 200 ppm
- REL Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin
- TLV Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI

(Contd. on page 5)

US

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

(Contd. of page 4)

Ingre	dients with biological limit values:
CAS:	67-56-1 Methanol
1 7	15 mg/L LD50 Intraperitoneal: urine Time: end of shift LD50: Methanol (background, nonspecific)
Addit	ional information: The lists that were valid during the creation were used as basis.
Expos Perso Gener Keep Immed Wash Store Avoid Breat In cass respir	sure controls mal protective equipment: ral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing. hands before breaks and at the end of work. protective clothing separately. I contact with the eyes and skin. hing equipment: se of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use ratory protective device that is independent of circulating air. ction of hands: Protective gloves
Due to chemi Select Mater The se varies the gli Penet The el obser Eye p	love material has to be impermeable and resistant to the product/ the substance/ the preparation. o missing tests no recommendation to the glove material can be given for the product/ the preparation/ the ical mixture. tion of the glove material on consideration of the penetration times, rates of diffusion and the degradation rial of gloves election of the suitable gloves does not only depend on the material, but also on further marks of quality and s from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of ove material can not be calculated in advance and has therefore to be checked prior to the application. tration time of glove material exact break through time has to be found out by the manufacturer of the protective gloves and has to be ved. totection: Tightly sealed goggles
	<u> </u>
DI	
Phys	sical and chemical properties
Inform	mation on basic physical and chemical properties
	ral Information
Apped	arance:
E	I i avid

Form:LiquidColor:Red• Odor:Alcohol

*

(Contd. on page 6)

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

	(Contd. of page
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	-97.8 °C (-144 °F)
Boiling point/Boiling range:	65 °C (149 °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):	0.7919 g/cm ³ (6.60841 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/wate	r): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	<i>99.9</i> %
VOC content:	99.87 %
	790.9 g/l / 6.60 lb/gal
Solids content:	0.1 %
Other information	No further relevant information available.

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.

(Contd. on page 7)

US

Printing date 05/29/2024

Reviewed on 05/29/2024

(Contd. of page 6)

Trade name: Bromothymol Blue 0.1% in Methanol

• *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
 100 mg/kg

 Dermal
 LD50
 300 mg/kg

 Inhalative
 LC50/4h
 3 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)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· 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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- \cdot Other adverse effects No further relevant information available.

(Contd. on page 8)

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

(Contd. of page 7)

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.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

· UN-Number	UN1993
· DOT, IMDG, IATA	כעעדאט
· UN proper shipping name	
·DOT	Flammable liquids, n.o.s. (Methanol)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (Methanol)
· Transport hazard class(es)	
·DOT	
PLAMABLE LIQUD	
V	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
3	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	
• Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	
· EMS Number:	F-E,S-D
· Stowage Category	В
• Transport in bulk according to Annex II of	
· Iransport in bulk according to Annex II of	

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

(Contd. of page 8)

ACTIVE

ACTIVE

· Transport/Additional information:	
• DOT • Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L 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.

• Sara

• Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

CAS: 67-56-1 Methanol

· TSCA (Toxic Substances Control Act):

Methanol

Bromothymol Blue

· Hazardous Air Pollutants

CAS: 67-56-1 Methanol

· Proposition 65

 \cdot Chemicals known to cause cancer:

None of the ingredients is listed.

· 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.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

• GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 10)

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

Hazand nistoonama	(Contd. of page 9)
· Hazard pictograms	
GHS02 GHS06 GHS08	
· Signal word Danger	
• <i>Hazard-determining components of labeling:</i> Methanol	
· Hazard statements	
Highly flammable liquid and vapor.	
Toxic if swallowed, in contact with skin or if inhaled.	
Causes damage to the central nervous system and the visual organs. • Precautionary statements	
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/showe	r
IF INHALED: Remove person to fresh air and keep comfortable for breathing.	7.
IF exposed: Call a POISON CENTER or doctor/physician.	
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 regulatio	ns.
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

Contact: Date of Preparation / Last Revision:
Date of preparation / last revision Revision 1.2, 05/29/2024: Reviewed SDS for accuracy. MH/STN Revision 0.0, 10-19-2020: Creation date for SDS. STN 05/29/2024

(Contd. on page 11)

____US

Printing date 05/29/2024

Reviewed on 05/29/2024

Trade name: Bromothymol Blue 0.1% in Methanol

	(Contd. of page 10)
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	
Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1	
* Data compared to the previous version altered.	