



SAFETY DATA SHEET

Product: MARC 83 SWIMMING POOL PAINT (BLUE)

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 83 SWIMMING POOL PAINT (BLUE)

SDS DATE: 01/7/2020

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927
PHONE: 402-564-7104 FAX: 403-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Swimming pool paint.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable liquid 3 Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F). Skin corrosive 2 Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation. Mutagen 1B Known to produce heritable mutations in human germ cells, subcategory 1B, positive results in vivo heritable germ cells tests in mammals, human germ cell tests, in vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity. Carcinogen 1A Known Human Carcinogen Based on human evidence. Reproductive toxin 2 Human or animal evidence possibly with other information. Aspiration hazard 1 Aspiration Toxicity Category 1: Known (regarded)- human. evidence - hydrocarbons with kinematic viscosity 20.5 mm²/s at 40° C. **Signal Word: Danger.**



GHS Hazards-H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H340 May cause genetic defects. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. **GHS Precautions-** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/light/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P321 Specific treatment (see label). P331 Do NOT induce vomiting. P362 Take off contaminated clothing and wash before reuse. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with soap and water. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P308+P313 IF exposed or concerned: Get medical advice/attention. P332+P313 If skin irritation occurs: Get medical advice/attention. P370+P378 In case of fire: Use appropriate media to extinguish. P405 Store locked up. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container that comply with local, State and Federal regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight Concentration %
Stoddard solvent	8052-41-3	20.00% - 30.00%
Talc	14807-96-6	10.00% - 20.00%
Limestone	1317-65-3	10.00% - 20.00%
Titanium dioxide	13463-67-7	8.00%
Petroleum distillates, hydrotreated light	64742-47-8	5.00% - 10.00%
Solvent naphtha, petroleum, medium aliphatic	64742-88-7	5.00% - 10.00%
Chlorinated paraffin waxes and hydrocarbon waxes	63449-39-8	4.00%
Zinc oxide	1314-13-2	3.00%
Quartz	14808-60-7	0.40%

Specific percentages and ingredients may be claimed as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse immediately with plenty of clean water for at least 15 minutes. Remove contact lenses, if present, and flush under eyelids too. Seek medical attention.

SKIN: Wash thoroughly with soap and water while removing contaminated clothing/shoes. Seek medical attention if skin is damaged, or if pain/irritation develops or persists.

INGESTION: **DO NOT INDUCE VOMITING!** Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Contact physician or your local poison control center immediately.



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INHALATION: Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical. Water spray may be ineffective. However, water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment and self contained breathing apparatus should be used. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Handle as an ignitable liquid. Keep containers tightly closed and isolate from heat, electrical equipment, sparks or flame. Vapors from an explosive mixture in air between the upper and lower explosive limits. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Avoid spontaneous combustion of soiled rags, steel wool, spray booth filters, spray residues and other waste material contaminated with this product by immediately immersing them in a sealed, water-filled metal container prior to disposal.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, hydrocarbons, and other products of incomplete combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Contain spillage. Then collect with inert absorbent material and non-sparking tools. Eliminate all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ensure adequate ventilation. Wear appropriate personal protective equipment.

PROTECTIVE EQUIPMENT: See Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as Emergency Procedures.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for further Ecological information.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING/ STORAGE:

Do not use until all safety precautions have been met and understood. Keep away from excessive heat, sparks or open flames. Store locked up in a cool, well-ventilated place. Keep containers closed and upright when not in use. Previously opened containers, carefully reseal. Store in accordance with local regulations. Smoking, eating, or drinking should be prohibited in the application area.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!** Do not take internally.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME / CAS BI,	OSHA EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS	OTHER EXPOSURE LIMITS
Stoddard solvent 8052-41-3	500 ppm TWA; 2900 mg/m3 TWA	100 PPM TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15m min)
Talc 14807-96-6	Not Established	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m3 TWA (containing no asbestos and <1% Quartz, respirable dust)
Limestone 1317-65-3	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Titanium dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
Petroleum distillates, Hydrotreated light 64742-47-8	Not Established	Not Established	Not Established
Solvent naphtha, petroleum,	Not Established	Not Established	Not Established



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Medium aliphatic 64742-88-7			
Chlorinated paraffin waxes And hydrocarbon waxes 63449-39-8	Not Established	Not Established	Not Established
Zinc oxide 1314-13-2	5 mg/m3 TWA (fume); 15 Mg/m3 TWA (total dust); 5 Mg/m3 TWA (respirable Fraction)	10 mg/m3 STEL (respirable fraction) 2 mg/m3 TWA (respirable Fraction)	NIOSH: 5 mg/m3 TWA (dust and fume) 15 mg/m3 Ceiling (dust) 10 mg/m3 STEL (fume)
Quartz 14808-60-7	Not Established	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)

ENGINEERING CONTROLS:

VENTILATION: Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and applicable exposure limits. Electrical equipment must comply with the National Electrical Code for this environment.

RESPIRATORY PROTECTION: Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during the use of this product until vapor and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable exposure limits.

EYE PROTECTION: Avoid contact with eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

SKIN PROTECTION/PROTECTIVE GLOVES: Use chemical/solvent impermeable gloves to avoid contact with product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear suitable protective clothing. Provide readily accessible eyewash station and emergency shower. Use of protective creams, head caps, etc., is recommended. Avoid contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

WORK HYGIENIC PRACTICES: Handle according to established industrial hygiene and safety practices. Wash hands before eating or using washroom. Smoke in smoking areas only!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Liquid
COLOR:	Blue
ODOR:	Aromatic-like.
ODOR THRESHOLD:	No data found.
pH:	No data found.
MELTING/FREEZING POINT:N/A	No data found.
BOILING RANGE:	149 - 243°C
FLASH POINT/METHOD USED:	100°F., 38°C
EVAPORATION RATE:	Slower than Ether.
FLAMMABILITY (solid, gas):	No data found.
EXPLOSIVE LIMITS:	1% - 6%
VAPOR PRESSURE (mmHg):	2.2 mmHg
VAPOR DENSITY (AIR = 1):	Heavier than air.
SPECIFIC GRAVITY (H2O = 1):	1.23
SOLUBILITY IN WATER:	No data found.
G/L VOC LESS WATER & EXEMPT SOLVENT:	475.86
PARTITION COEFFICIENT, n-OCTANOL/WATER:	No data found.
AUTO-IGNITION TEMPERATURE:	226°C
DECOMPOSITION TEMPERATURE:	No data found.
VISCOSITY:	N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None.

STABILITY: Stable.



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CONDITIONS TO AVOID: Open flames, heat, sparks, and other ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, alkalis, strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

SECTION 11: TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY COMPONENT TOXICITY:

64742-88-7 Solvent naphtha, petroleum, medium aliphatic
Dermal LD50: 3,000 mg/kg (Rabbit)

EYES: Liquid or vapor can cause irritation.

SKIN: Liquid can cause irritation.

INGESTION: May be fatal if swallowed and enters airways.

INHALATION: N/A

ACUTE HEALTH HAZARDS (ACUTE AND CHRONIC): N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EFFECTS OF OVEREXPOSURE:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Quartz	0.3	Quartz: NIOSH: potential Occupational carcinogen IARC: Human carcinogen OSHA: listed

TOXICITY TO ANIMALS: N/A

SECTION 12: ECOLOGICAL INFORMATION

COMPONENT ECOTOXICITY

Talc	96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
Petroleum distillates, Hydrotreated light	96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.4 mg/L [static]
Solvent naphtha, petroleum, Medium aliphatic	96 Hr LC50 Pimephales promelas: 800 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 450 mg/L
Chlorinated paraffin waxes and Hydrocarbon waxes	96 Hr LC50 Lepomis macrochirus: >300 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >0.0109 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 94.5 – 271 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >0.1 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]

TOXICITY: N/A

DEGRADABILITY: N/A



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SECTION 13: DISPOSAL CONSIDERATIONS

Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Obey relevant laws.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): PAILS
PROPER SHIPPING NAME: PAINT COMPOUND
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A
311/312 HAZARD CATEGORIES: N/A
SARA 313 REPORTABLE INGREDIENTS: None.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7 Quartz Carcinogen
13463-67-7 Titanium dioxide Carcinogen

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
-	None	

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 2
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 01/07/2020

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.



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Product: MARC 83 SWIMMING POOL PAINT (WHITE)

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 83 SWIMMING POOL PAINT (WHITE)

SDS DATE: 01/07/2020

SUPPLIER: Mid-American Research Chemical Corp.

ADDRESS: P. O. Box 927 Columbus, NE 68602-0927

PHONE: 402-564-7104 FAX: 403-563-1290

EMERGENCY PHONE: InfoTrac 1-800-535-5053

E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Swimming pool paint.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable liquid 3 Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F). Skin corrosive 2 Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation. Mutagen 1B Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity. Carcinogen 1A Known Human Carcinogen Based on human evidence. Reproductive toxin 2 Human or animal evidence possibly with other information. Aspiration hazard 1 Aspiration Toxicity Category 1: Known (regarded)- human. evidence - hydrocarbons with kinematic viscosity 20.5 mm²/s at 40° C. **Signal Word: Danger.**



GHS Hazards-H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H340 May cause genetic defects. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. **GHS Precautions-** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/light/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P321 Specific treatment (see label). P331 Do NOT induce vomiting. P362 Take off contaminated clothing and wash before reuse. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with soap and water. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P308+P313 IF exposed or concerned: Get medical advice/attention. P332+P313 If skin irritation occurs: Get medical advice/attention. P370+P378 In case of fire: Use appropriate media to extinguish. P405 Store locked up. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container that comply with local, State and Federal regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight Concentration %
Stoddard solvent	8052-41-3	20.00% - 30.00%
Titanium dioxide	13463-67-7	18.00%
Limestone	1317-65-3	10.00% - 20.00%
Talc	14807-96-6	5.00% - 10.00%
Petroleum distillates, hydrotreated light	64742-47-8	5.00% - 10.00%
Solvent naphtha, petroleum, medium aliphatic	64742-88-7	5.00% - 10.00%
Chlorinated paraffin waxes and hydrocarbon waxes	63449-39-8	4.00%
Zinc oxide	1314-13-2	3.00%
Quartz	14808-60-7	0.30%

Specific percentages and ingredients may be claimed as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse immediately with plenty of clean water for at least 15 minutes. Remove contact lenses, if present, and flush under eyelids too. Seek medical attention.

SKIN: Wash thoroughly with soap and water while removing contaminated clothing/shoes. Seek medical attention if skin is damaged, or if pain/irritation develops or persists.

INGESTION: **DO NOT INDUCE VOMITING!** Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Contact physician or your local poison control center immediately.

INHALATION: Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention immediately.



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NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical. Water spray may be ineffective. However, water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment and self contained breathing apparatus should be used. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Handle as an ignitable liquid. Keep containers tightly closed and isolate from heat, electrical equipment, sparks or flame. Vapors from an explosive mixture in air between the upper and lower explosive limits. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Avoid spontaneous combustion of soiled rags, steel wool, spray booth filters, spray residues and other waste material contaminated with this product by immediately immersing them in a sealed, water-filled metal container prior to disposal.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, hydrocarbons, and other products of incomplete combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Contain spillage. Then collect with inert absorbent material and non-sparking tools. Eliminate all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ensure adequate ventilation. Wear appropriate personal protective equipment.

PROTECTIVE EQUIPMENT: See Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as Emergency Procedures.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for further Ecological information.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING/STORAGE: Do not use until all safety precautions have been met and understood. Keep away from excessive heat, sparks or open flames. Store locked up in a cool, well-ventilated place. Keep containers closed and upright when not in use. Previously opened containers, carefully reseal. Store in accordance with local regulations. Smoking, eating, or drinking should be prohibited in the application area.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!** Do not take internally.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME / CAS BI,	OSHA EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS	OTHER EXPOSURE LIMITS
Stoddard solvent 8052-41-3	500 ppm TWA; 2900 mg/m3 TWA	100 PPM TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15m min)
Titanium dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
Limestone 1317-65-3	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Talc 14807-96-6	Not Established	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m3 TWA (containing no asbestos and <1% Quartz, respirable dust)
Petroleum distillates, Hydrotreated light 64742-47-8	Not Established	Not Established	Not Established
Solvent naphtha, petroleum, Medium aliphatic	Not Established	Not Established	Not Established



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64742-88-7			
Chlorinated paraffin waxes And hydrocarbon waxes 63449-39-8	Not Established	Not Established	Not Established
Zinc oxide 1314-13.2	5 mg/m3 TWA (fume); 15 Mg/m3 TWA (total dust); 5 Mg/m3 TWA (respirable Fraction)	10 mg/m3 STEL (respirable fraction) 2 mg/m3 TWA (respirable Fraction)	NIOSH: 5 mg/m3 TWA (dust and fume) 15 mg/m3 Ceiling (dust) 10 mg/m3 STEL (fume)
Quartz 14808-60-7	Not Established	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)

ENGINEERING CONTROLS:

VENTILATION: Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and applicable exposure limits. Electrical equipment must comply with the National Electrical Code for this environment.

RESPIRATORY PROTECTION: Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during the use of this product until vapor and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable exposure limits.

EYE PROTECTION: Avoid contact with eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

SKIN PROTECTION/PROTECTIVE GLOVES: Use chemical/solvent impermeable gloves to avoid contact with product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear suitable protective clothing. Provide readily accessible eyewash station and emergency shower. Use of protective creams, head caps, etc., is recommended. Avoid contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

WORK HYGIENIC PRACTICES: Handle according to established industrial hygiene and safety practices. Wash hands before eating or using washroom. Smoke in smoking areas only!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	
PHYSICAL STATE:	Liquid
COLOR:	White
ODOR:	Aromatic-like.
ODOR THRESHOLD:	No data found.
pH:	No data found.
MELTING/FREEZING POINT:N/A	No data found.
BOILING RANGE:	149° C
FLASH POINT/METHOD USED:	102°F., 39°C
EVAPORATION RATE:	Slower than Ether.
FLAMMABILITY (solid, gas):	No data found.
EXPLOSIVE LIMITS:	1% - 6%
VAPOR PRESSURE (mmHg):	2.2 mmHg
VAPOR DENSITY (AIR = 1):	Heavier than air.
SPECIFIC GRAVITY (H2O = 1):	1.31
SOLUBILITY IN WATER:	No data found.
G/L VOC LESS WATER & EXEMPT SOLVENT:	476.89
PARTITION COEFFICIENT, n-OCTANOL/WATER:	No data found.
AUTO-IGNITION TEMPERATURE:	226°C
DECOMPOSITION TEMPERATURE:	No data found.
VISCOSITY:	N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None.

STABILITY: Stable.



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Product: MARC 83 SWIMMING POOL PAINT (WHITE)

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CONDITIONS TO AVOID: Open flames, heat, sparks, and other ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, alkalis, strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

SECTION 11: TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY COMPONENT TOXICITY:

64742-88-7 Solvent naphtha, petroleum, medium aliphatic
Dermal LD50: 3,000 mg/kg (Rabbit)

EYES: Liquid or vapor can cause irritation.

SKIN: Liquid can cause irritation.

INGESTION: May be fatal if swallowed and enters airways.

INHALATION: N/A

ACUTE HEALTH HAZARDS (ACUTE AND CHRONIC): N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EFFECTS OF OVEREXPOSURE:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Quartz	0.2	Quartz: NIOSH: potential Occupational carcinogen IARC: Human carcinogen OSHA: listed

TOXICITY TO ANIMALS: N/A

SECTION 12: ECOLOGICAL INFORMATION

COMPONENT ECOTOXICITY

Talc	96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
Petroleum distillates, Hydrotreated light	96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.4 mg/L [static]
Solvent naphtha, petroleum, Medium aliphatic	96 Hr LC50 Pimephales promelas: 800 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 450 mg/L
Chlorinated paraffin waxes and Hydrocarbon waxes	96 Hr LC50 Lepomis macrochirus: >300 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:>0.0109 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 94.5 – 271 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >0.1 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]

TOXICITY: N/A

DEGRADABILITY: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Obey relevant laws.



SAFETY DATA SHEET

Product: MARC 83 SWIMMING POOL PAINT (WHITE)

Form R04132

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): PAILS
PROPER SHIPPING NAME: PAINT COMPOUND
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A
311/312 HAZARD CATEGORIES: N/A
SARA 313 REPORTABLE INGREDIENTS: None.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7 Quartz Carcinogen
13463-67-7 Titanium dioxide Carcinogen

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
-	None	

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 2
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 01/07/2020

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.



SAFETY DATA SHEET

Product: MARC 83 SWIMMING POOL PAINT (BLACK)

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 83 SWIMMING POOL PAINT (BLACK)

SDS DATE: 01/07/2020

SUPPLIER: Mid-American Research Chemical Corp.
PHONE: 402-564-7104 FAX: 403-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

ADDRESS: P. O. Box 927 Columbus, NE 68602-0927

RECOMMENDED USE: Swimming pool paint.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable liquid 3 Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F). Skin corrosive 2 Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation. Mutagen 1B Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity. Carcinogen 1A Known Human Carcinogen Based on human evidence. Reproductive toxin 2 Human or animal evidence possibly with other information. Aspiration hazard 1 Aspiration Toxicity Category 1: Known (regarded)- human. evidence - hydrocarbons with kinematic viscosity 20.5 mm²/s at 40° C. **Signal Word: Danger.**



GHS Hazards-H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. **GHS Precautions-** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/light/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P321 Specific treatment (see label). P331 Do NOT induce vomiting. P362 Take off contaminated clothing and wash before reuse. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with soap and water. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P308+P313 IF exposed or concerned: Get medical advice/attention. P332+P313 If skin irritation occurs: Get medical advice/attention. P370+P378 In case of fire: Use appropriate media to extinguish. P405 Store locked up. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container that comply with local, State and Federal regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight Concentration %
Stoddard solvent	8052-41-3	30.00% - 40.00%
Talc	14807-96-6	10.00% - 20.00%
Limestone	1317-65-3	10.00% - 20.00%
Petroleum distillates, hydrotreated light	64742-47-8	5.00% - 10.00%
Solvent naphtha, petroleum, medium aliphatic	6472-88-7	5.00% - 10.00%
Chlorinated paraffin waxes and hydrocarbon waxes	63449-39-8	5.00%
Zinc oxide	1314-13-2	3.00%
Carbon black	1333-86-4	2.00%
Quartz	14808-60-7	0.40%

Specific percentages and ingredients may be claimed as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse immediately with plenty of clean water for at least 15 minutes. Remove contact lenses, if present, and flush under eyelids too. Seek medical attention.

SKIN: Wash thoroughly with soap and water while removing contaminated clothing/shoes. Seek medical attention if skin is damaged, or if pain/irritation develops or persists.

INGESTION: **DO NOT INDUCE VOMITING!** Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Contact physician or your local poison control center immediately.

INHALATION: Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention immediately.



SAFETY DATA SHEET

Product: MARC 83 SWIMMING POOL PAINT (BLACK)

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NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical. Water spray may be ineffective. However, water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment and self contained breathing apparatus should be used. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Handle as an ignitable liquid. Keep containers tightly closed and isolate from heat, electrical equipment, sparks or flame. Vapors from an explosive mixture in air between the upper and lower explosive limits. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Avoid spontaneous combustion of soiled rags, steel wool, spray booth filters, spray residues and other waste material contaminated with this product by immediately immersing them in a sealed, water-filled metal container prior to disposal.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, hydrocarbons, and other products of incomplete combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Contain spillage. Then collect with inert absorbent material and non-sparking tools. Eliminate all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ensure adequate ventilation. Wear appropriate personal protective equipment.

PROTECTIVE EQUIPMENT: See Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as Emergency Procedures.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for further Ecological information.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING/STORAGE: Do not use until all safety precautions have been met and understood. Keep away from excessive heat, sparks or open flames. Store locked up in a cool, well-ventilated place. Keep containers closed and upright when not in use. Previously opened containers, carefully reseal. Store in accordance with local regulations. Smoking, eating, or drinking should be prohibited in the application area.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!** Do not take internally.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME / CAS BI,	OSHA EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS	OTHER EXPOSURE LIMITS
Stoddard solvent 8052-41-3	500 ppm TWA; 2900 mg/m3 TWA	100 PPM TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15m min)
Talc 14807-96-6	Not Established	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m3 TWA (containing no asbestos and <1% Quartz, respirable dust)
Limestone 1317-65-3	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Petroleum distillates, Hydrotreated light 64742-47-8	Not Established	Not Established	Not Established
Chlorinated paraffin waxes And hydrocarbon waxes 63449-39-8	Not Established	Not Established	Not Established
Zinc oxide	5 mg/m3 TWA (fume); 15	10 mg/m3 STEL (respirable)	NIOSH: 5 mg/m3 TWA



SAFETY DATA SHEET

Product: **MARC 83 SWIMMING POOL PAINT (BLACK)**

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1314-13.2	Mg/m3 TWA (total dust); 5 Mg/m3 TWA (respirable Fraction)	fraction) 2 mg/m3 TWA (respirable Fraction)	(dust and fume) 15 mg/m3 Ceiling (dust) 10 mg/m3 STEL (fume)
Carbon black 1333-86-4	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable Fraction)	NIOSH: 3.5 mg/m3 TWA ; 0.1 mg/m3 TWA (Carbon black in Presence of Polycyclic Aromatic hydrocarbons, As PAH)
Quartz 14808-60-7	Not Established	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)

ENGINEERING CONTROLS:

VENTILATION: Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and applicable exposure limits. Electrical equipment must comply with the National Electrical Code for this environment.

RESPIRATORY PROTECTION: Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during the use of this product until vapor and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable exposure limits.

EYE PROTECTION: Avoid contact with eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

SKIN PROTECTION/PROTECTIVE GLOVES: Use chemical/solvent impermeable gloves to avoid contact with product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear suitable protective clothing. Provide readily accessible eyewash station and emergency shower. Use of protective creams, head caps, etc., is recommended. Avoid contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

WORK HYGIENIC PRACTICES: Handle according to established industrial hygiene and safety practices. Wash hands before eating or using washroom. Smoke in smoking areas only!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Liquid
COLOR:	Black
ODOR:	Aromatic-like.
ODOR THRESHOLD:	No data found.
pH:	No data found.
MELTING/FREEZING POINT:N/A	No data found.
BOILING RANGE:	149 - 243° C
FLASH POINT/METHOD USED:	102°F., 39°C
EVAPORATION RATE:	Slower than Ether.
FLAMMABILITY (solid, gas):	No data found.
EXPLOSIVE LIMITS:	1% - 6%
VAPOR PRESSURE (mmHg):	2.2 mmHg
VAPOR DENSITY (AIR = 1):	Lighter than air.
SPECIFIC GRAVITY (H2O = 1):	1.13
SOLUBILITY IN WATER:	No data found.
G/L VOC LESS WATER & EXEMPT SOLVENT:	508.95
PARTITION COEFFICIENT, n-OCTANOL/WATER:	No data found.
AUTO-IGNITION TEMPERATURE:	226°C
DECOMPOSITION TEMPERATURE:	No data found.
VISCOSITY:	N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None.

STABILITY: Stable.



SAFETY DATA SHEET

Product: MARC 83 SWIMMING POOL PAINT (BLACK)

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CONDITIONS TO AVOID: Open flames, heat, sparks, and other ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, alkalis, strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

SECTION 11: TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY

COMPONENT TOXICITY: No data found.

EYES: Liquid or vapor can cause irritation.

SKIN: Liquid can cause irritation.

INGESTION: May be fatal if swallowed and enters airways.

INHALATION: N/A

ACUTE HEALTH HAZARDS (ACUTE AND CHRONIC): N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EFFECTS OF OVEREXPOSURE:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Quartz	0.3	Quartz: NIOSH: potential Occupational carcinogen IARC: Human carcinogen OSHA: listed
1333-86-4	Carbon black	2	Carbon black: NIOSH: potential Occupational carcinogen IARC: Possible human carcinogen OSHA: listed

TOXICITY TO ANIMALS: N/A

SECTION 12: ECOLOGICAL INFORMATION

COMPONENT ECOTOXICITY

Talc	96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
Petroleum distillates, Hydrotreated light	96 Hr LC50 Pimephales promelas: 45 mg/L (flow-through); 96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.4 mg/L [static]
Chlorinated paraffin waxes and Hydrocarbon waxes	96 Hr LC50 Lepomis macrochirus: >300 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:>0.0109 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 94.5 – 271 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >0.1 mg/L[flow-through]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]

TOXICITY: N/A

DEGRADABILITY: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Obey relevant laws.



SAFETY DATA SHEET

Product: MARC 83 SWIMMING POOL PAINT (BLACK)

Form R04132

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): 1 Gallon
PROPER SHIPPING NAME: PAINT COMPOUND
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A
311/312 HAZARD CATEGORIES: N/A
SARA 313 REPORTABLE INGREDIENTS: None.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7	Quartz Carcinogen
1333-86-4	Carbon black Carcinogen

The following are the top 5 ingredients in this formulation

64742-47-8	Petroleum distillates, hydrotreated light
1317-65-3	Limestone
14807-96-6	Talc
60381-61-5	2-Propenoic acid, 2-ethylhexyl ester, polymer with ethenylmethylbenzene
8052-41-3	Stoddard solvent

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
-	None	

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 2
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 01/07/2020

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.