Product Name: Insitu® Black Product Code: WRA-BC-060

Date issued: 8/24/2023

SECTION 1: IDENTIFICATION

Product Name Insitu Black Product Code # WRA-BC-060

Identified Uses Protective Coating

Manufacturer: Modine Manufacturing 1423 West Ormsby Ave. Louisville, KY 40210

Emergency Contact Number: Day: 703-527-3887 CHEMTREC Night: : 703-527-3887 CHEMTREC

SECTION 2 : HAZARDS IDENTIFICATION

GHS Classification

Skin Irritant 2 Eye Damage/Irritation 2b

GHS Label Elements

Hazard Symbols



Signal Word Warning

Hazard Statements

H315 Causes skin irritation H320 Causes eye irritation

Precautionary Statements Prevention

P202 Do not handle until all safety precautions have been read and understood. P264 Wash hands and/or face thoroughly after handling.

Response

P363 Wash contaminated clothing before reuse.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage/ Disposal

P501 Dispose of contents/container in accordance with federal, state, provincial, and local regulations.

Other Hazards OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR1910.1200)

SECTION 3 : COMPOSITION INFORMATION

Chemical Designation	CAS No.	% by Weight
butoxy dipropanol	29911-28-2	2.10
carbon black	1333-86-4	1.42
propylene glycol	57-55-6	1.02
2-butoxyethanol	111-76-2	0.41
ethoxylated acetylenic diol	126-86-3	0.41
4-ethylmorpholine	100-74-3	0.21

SAFETY DATA SHEET

Product Name: Insitu® Black Product Code: WRA-BC-060

SECTION 4: FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance
Eyes:	Flush with plenty of cool water for at least15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate
	medical attention.
Skin:	Wash affected area thoroughly with soap and water. If skin irritation persists, get immediate medical attention.
Inhalation:	Move to fresh air. Restore breathing. If breathing is difficult, get immediate medical attention.
Ingestion:	Do not induce vomiting – seek immediate medical attention.
Notes to Physician	Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards arising	Closed containers may rupture if exposed to fire or extreme heat.
from the Chemical	
Special protective	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective
Equipment:	gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Environmental	Use personal protective equipment. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from
Precautions	entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages
	cannot be contained.
Methods for Clean-up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
Other Information	None known

SECTION 7: HANDLING & STORAGE

Handling:	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid breathing
	vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

HMIS is a Health, Flammability and Reactivity rating: 1*10

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual conditions of use.

Exposure Limits		
Hazardous Components	OSHA PEL	ACGIH TLV
butoxy dipropanol	NE	NE
carbon black	3.5 mg/m3	3 mg/m3 (I)
propylene glycol	NE	NE

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFV) = Inhalable fraction and vapor STEL = Short term exposure limit (R) = Respirable fraction

Engineering Measures	Ensure adequate ventilation, especially in confined areas.	
Personal Protective Equipmen	t	
Eyes/Face:	Safety goggles or full face shield	
Skin:	Protective gloves and impervious clothing.	
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.	
Hygiene Practices:	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.	

SAFETY DATA SHEET

Product Name: Insitu® Black Product Code: WRA-BC-060

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Odor:	Little or no odor
VOC lb/gal	0.31
VOC (lb/gal) less exempt	0.93
Relative Density (LB/GAL):	8.69
Flash Point (F):	Greater than 201
Flammability:	Not applicable
Auto-ignition temperature:	Not applicable
Evaporation rate :	Not available
Vapor Pressure (mmHg) :	Not available
Initial Boiling Point (F):	212
Freezing Point (F):	32
pН	Not available
Solubility (ies):	Not determined
Partition coefficient: n-	Not determined
octanol/water	

Odor threshold: VOC (g/L) VOC (g/L) less exempt Specific Gravity (g/L):

Upper/lower flammability limits: Decomposition temperature:

Vapor Density : Boiling Point Range (F): Melting Point (F): Viscosity Not determined 37.72 112.15 1.04

Not applicable Not determined

Not available Not available Not determined Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Prevent from freezing
Materials to Avoid:	No materials to be especially mentioned.
Hazardous Decomposition Products:	None under normal use.
Possibility of Hazardous Reactions:	None under normal conditions of use.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity Component butoxy dipropanol carbon black propylene glycol	LD50 Oral mg/kg (Rat) NA 15,400 NA	LD50 Dermal mg/kg (Rabbit) NA 3,000 NA	LC50 Inhalation mg/L (Rat, 4 hr.) NA NA NA
Chronic Toxicity The information below indicates whethe Component carbon black	er each agency has listed any ingredient as a IARC 2B – Possible Human Carcinogen	a carcinogen: NTP Not listed	OSHA Listed

Per IARC Summary of Data Reported, Subsection 5.1: No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint.

SECTION 12 : ECOLOGICAL INFORMATION

No ecological information available

SECTION 13 : DISPOSAL CONSIDERATION

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

SECTION 14 : TRANSPORT INFORMATION

Contact the manufacturer for shipping information.

Product Name: Insitu® Black Product Code: WRA-BC-060

Date issued: 8/24/2023

SECTION 15: REGULATORY INFORMATION

US TSCA: Yes – All components are listed or exempt

Federal Regulations

SARA 311/312 hazardous categorization			
Acute Health Hazard	YES		
Chronic Health Hazard	YES		
Fire Hazard	NO		
Sudden Release of Pressure Hazard	NO		
Reactive Hazard	NO		

SARA 313

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
Chemical Designation Cas No. Weight %

None	None	None
Clean Air Act, Section 112 Hazardous	Air Pollutants (HAPS)	
Chemical Designation	Cas No.	Weight %
None	None	None

Any Target HAP listed in this section is not an OSHA Carcinogen unless listed as such in Section 11 under Chronic Toxicity.

State Regulations

California Proposition 65

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

SECTION 16: OTHER INFORMATION

Date issued: 10/26/2022 VER 01

The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.