

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Name: Part B Product Code: UC-5500 Series Part B

MANUFACTURER : Heresite Protective Coatings, LLC
822 S. 14th Street
Manitowoc, WI 54220

TELEPHONE NUMBER: 1 (920) 684-6646

FAX NUMBER: 1 (920) 684-0110

EMERGENCY PHONE: CHEMTREC
1 (800) 424-9300

E-MAIL ADDRESS OF PERSON RESPONSIBLE:
peter@heresite.com

Product Use: Industrial and Commercial Coatings, primary application to metal.

Not recommended for: Any other application

SECTION 2: HAZARDS IDENTIFICATION

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin sensitizer	1	Skin sensitizer

Signal Word: Danger



GHS Hazards

H225	Highly flammable liquid and vapour
H313	May be harmful in contact with skin

GHS Precautions

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
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P363	Wash contaminated clothing before reuse
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P370+P378	In case of fire: Use CO2, dry chemical, or foam for extinction.
P403	Store in a well ventilated place
P501	Dispose of contents/container to in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Hexamethylene Diisocyanate Polymer	28182-81-2	80.00% - 90.00%
Butyl Acetate	123-86-4	5.00% - 10.00%

SECTION 4 - FIRST AID MEASURES

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen if a qualified operator is available. Get medical attention.

Eye Contact

Immediately flush eyes with large amounts of water for at least 20 minutes, while holding eyelids open. Obtain medical attention immediately, as a precaution.

Skin Contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

If person is conscious, give them several glasses of water to drink. Do NOT induce vomiting unless directed to do so by medical personnel. Obtain IMMEDIATE medical attention.

Most important symptoms and effects, both acute and delayed

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Neurological disorders. Asthma. Skin disorders and Allergies. Eye disease.

Indication of any immediate medical attention and special treatment needed

Consult a physician. Note to Physicians: Application of corticosteroid cream has been effective in treating skin irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media

Carbon Dioxide, Dry Chemical, Foam

Unsuitable extinguishing media

None identified

Special hazards arising from the substance or mixture

May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.

Advice for firefighters

No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Evacuate area and do not approach spilled product. If possible, stop flow of product.

Wear protective equipment appropriate for the situation. If inadequate ventilation or concentration levels are unknown use self-contained breathing apparatus and chemically protective clothing. Keep unprotected persons away.

Keep people at a distance and stay on the windward side.

Ensure adequate ventilation.

Keep away from ignition sources.

Environmental precautions:

Do not allow product to reach sewage system or water bodies. Construct a dike to prevent spreading.

Inform respective authorities in case product reaches water or sewage system.

Prevent from spreading (e.g. by damming-in or oil barriers).

Keep dirty washing solution for appropriate disposal.

Methods and material for containment and cleaning up:

Ensure adequate ventilation and proper training.

Absorb with liquid-binding non combustible material (e.g. sand). Place into a closed but not sealed container to allow for the escape of any CO₂ that forms.

Clean the accident area carefully by decontaminating the area of the spill.

Send for recovery or disposal in suitable containers. Do not flush to drain.

Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Reference to other sections:

See Section 2, 7, 8 and 13

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

See Section 2

Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations.

Do not breathe vapors. Do not get on skin or in eyes. Do not ingest. Keep containers closed when not being used.

Store, transfer and handle under a blanket of nitrogen. Use nonsparking tools and grounded/bonded equipment and containers when transferring. Avoid contact with water and excess humidity.

Conditions for safe storage:

Store in a well-ventilated place.

Keep cool.

Store with only compatible materials. Do not store near acids.

Store in original container.

Certain state and local regulations may limit storage quantities, arrangements and locations.

Specific end uses(s):

See Section 1

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Hexamethylene Diisocyanate Polymer 28182-81-2	Not Established	Not Established	NIOSH: TWA 0.005ppm

Butyl Acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
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Additional information about design of technical systems:

Engineering controls should be used as a primary means to control exposures.
 Make available emergency shower and eye wash at the workplace according to appropriate standards.
 A workplace risk assessment must be carried out in order to determine the corrective engineering control and organizational measures and personal protective equipment.
 No further data; see Section 7.

Exposure controls

Appropriate engineering controls:

No data available

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Take off immediately all contaminated clothing.
 Launder work clothing regularly.
 Wash hands before breaks and at the end of the work.
 Avoid contact with the eyes and skin.
 Do not inhale gases / fumes / aerosols.
 Do not eat, drink or smoke while working to limit potential ingestion of chemicals.

Personal Protective Equipment

Eye and Face Protection:

Chemical resistant goggles must be worn.

Skin Protection:

Wear protective gloves/protective clothing.

Hand Protection:

The glove material has to be impermeable and resistant to the product.
 Due to missing tests no recommendation to the glove material can be given for the product.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
 Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respiratory Protection:

Engineering controls should be used as primary means to control exposures. Local exhaust ventilation is required unless used in a closed system. For laboratory use, handle in a lab fume hood.
 If the applicable Occupational Exposure Level (OEL) is exceeded, wear a NIOSH certified respiratory protection equipment meeting US requirements (1910.134 Occupational Safety and Health Administration, Personal Protective Equipment, Respiratory Protection) with a protection factor sufficient to control exposures to below the OEL.

Environmental Exposure Controls:

See Section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance: No Data Found</p> <p>Vapor Pressure: No Data Found</p> <p>Vapor Density: No Data Found</p> <p>Specific Gravity 1.13</p> <p>Freezing point: No Data Found</p> <p>Boiling range: >=118C</p> <p>Evaporation rate: No Data Found</p> <p>Explosive Limits: No Data Found</p> <p>Autoignition temperature: No Data Found</p> <p>Viscosity: No Data Found</p>	<p>Odor: No Data Found</p> <p>Odor threshold: No Data Found</p> <p>pH: No Data Found</p> <p>Melting point: No Data Found</p> <p>Solubility: No Data Found</p> <p>Flash point: 22C, 72F</p> <p>Flammability: No Data Found</p> <p>Partition coefficient (n-octanol/water): No Data Found</p> <p>Decomposition temperature: No Data Found</p> <p>Grams VOC less water: No Data Found</p>
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SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No known hazards with respect to reactivity when handled and stored according to provisions.

Chemical Stability:

Stable under recommended storage and handling conditions.

Thermal decomposition / conditions to avoid:

Avoid exposure to heat, sources of ignition, and open flame . No decomposition if used according to specifications.

Possibility of hazardous reactions:

No data available.

Conditions to avoid:

See section 2.

Sodium hypochlorite

N-Nitrosamines

Nitrous acid and other nitrosating agents

Materials reactive with hydroxyl compounds

Organic acids (ex. acetic acid, citric acid, etc.)

Reactive metals (ex. sodium, calcium, zinc, etc.)

Mineral acids

Oxidizing agents.

Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

Incompatible materials:

No further information available.

Hazardous decomposition products:

In case of fire: Aldehydes, Flammable hydrocarbon fragments, Nitrosamine, Nitrogen oxides (NOx), Nitrogen oxide can react with water vapors to form corrosive nitric acid, Ammonia, Nitric acid, Carbon monoxide, Carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

Mixture Toxicity

Dermal Toxicity LD50: 2,632mg/kg

Inhalation Toxicity LC50: 21mg/L

Component Toxicity

28182-81-2 Hexamethylene Diisocyanate Polymer

Oral LD50: 5,000 mg/kg (rat) Dermal LD50: 5,000 mg/kg (rabbit)

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Routes of Entry:

Inhalation Skin Contact Ingestion

Exposure to this material may affect the following organs:

Eyes Central Nervous System Skin Respiratory System

Effects of Overexposure

May be harmful if inhaled. Causes respiratory tract irritation..

May be harmful if inhaled. Causes respiratory tract irritation..

May be harmful if absorbed through skin. Causes skin irritation.

May be harmful if absorbed through skin. Causes skin irritation.

Irritating to eyes.

Irritating to eyes.

May be harmful if swallowed

May be harmful if swallowed

CAS Number
None

Description

% Weight

Carcinogen Rating
No Information Available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

No ecotoxicological data for the substance itself are available.

Persistence and degradability:

No further relevant information available.

Bioaccumulative potential:

No further relevant information available.

Mobility in soil:

No further relevant information available

Results of PBT and VPvB assessment:

No data available

Other adverse effects:

No further relevant information available.

Component Ecotoxicity

Hexamethylene Diisocyanate
Polymer

Not readily biodegradable.
LC0 > 100 mg/l (Zebra fish) 96 h
EC0 > 100 mg/l (Water flea) 48 h
EC50 > 1000 mg/l (Green Algae) 72 h
EC50 > 1000 mg/l (Activated sludge microorganisms) 3 h

Butyl Acetate

96 Hr LC50 *Lepomis macrochirus*: 100 mg/L [static]; 96 Hr LC50 *Pimephales promelas*: 17 - 19 mg/L [flow-through]
72 Hr EC50 *Desmodesmus subspicatus*: 674.7 mg/L

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:

Waste material must be disposed of I/A/W Federal, State & Local environmental control regulations. Incineration is a recommended technology. Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Do not heat/cut empty container with electric or gas torch.

SECTION 14: TRANSPORT INFORMATION

Environmental hazards:

No information available

Special precautions for users:

No information available.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not required, not intended to be carried in bulk tankers.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
IATA	Paint	1263	II	3
IMDG	Paint	1263	II	3
USDOT	Paint	1263	II	3

SECTION 15: REGULATORY INFORMATION

Classification:

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

Clean Air Act

123-86-4 Butyl Acetate 5 to 10 %

SARA Section 302

123-86-4

SARA 311/312

123-86-4 Fire Hazard, Chronic Health Hazard, Acute Health Hazard

28182-81-2 Chronic Health Hazard, Acute Health Hazard

TSCA (Toxic Substance Control Act)

123-86-4 Butyl Acetate 5 to 10 %

28182-81-2 Hexamethylene Diisocyanate Polymer 80 to 90 %

TSCA (Toxic Substance Control Act) 8b

123-86-4 Butyl Acetate 5 to 10 %

28182-81-2 Hexamethylene Diisocyanate Polymer 80 to 90 %

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	New Jersey Right to Know	No
USA	Pennsylvania Right to Know	No
USA	Massachusetts Right to Know	No
AU	Australia inventory	Yes
CA	Canadian Domestic Substances List/Non-Domestic Substa	Yes
EU	European inventory	No

JP	Japan inventory	Yes
CN	China inventory	Yes
Korea	Korean Existing and Evaluated Chemical Substances	Yes
NZ	New Zealand inventory	Yes
PH	Philippine The Toxic Substances and Hazardous and Nucle	Yes
Canada		No

EU Risk Phrases

Safety Phrase

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). 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.

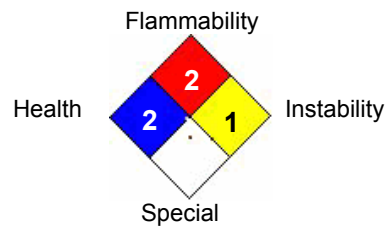
SECTION 16: OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		1
PERSONAL PROTECTION		<input type="text"/>

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



DISCLAIMER: The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Date revised: 2016-10-08

Reviewer Revision 2

Date Prepared: 10/8/2016