

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**1.1 Product Identifier**

- **Product Name:** Hot Melt Butyl in Chunks
- **Product Code:** N420LB

1.2 Product Use

- **Recommended Use:** Hot melt adhesive
- **Restrictions on use:** For Industrial use only

1.3 Supplier

- **Name/Address:** C.R. Laurence Co., Inc.
2503 E. Vernon Avenue,
Los Angeles, CA 90058
- **Telephone Number:** 1.800.421.6144
1.866.836.8855

1.4 Emergency Telephone Number:

- **Emergency Telephone:** CHEMTREC 1-800-424-9300 (US and Canada)
- **International Telephone:** +1-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	Solid form
Color	black
Odor	Neutral

GHS Classification

Skin sensitization : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Warning
Warning

Hazard Statements:

H317 May cause an allergic skin reaction. H317 May cause an allergic skin reaction.

Precautionary Statements:

Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P261 Avoid breathing dust. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves.

Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant. P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation : Vapors/fumes may be irritating at application temperatures.

Skin : Contact with hot product will cause thermal burns.

Aggravated Medical Condition : None known.

Carcinogenicity:**IARC**

Group 2B: Possibly carcinogenic to humans During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.
Carbon black 1333-86-4

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
Calcium carbonate	471-34-1	20 - 30
Zinc oxide	1314-13-2	1 - 5
zinc bis(dibutyldithiocarbamate)	136-23-2	0.1 - 1
Carbon black	1333-86-4	0.1 - 1

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	: Show this material safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash off with soap and water. Cool melted product on skin with plenty of water. Do not remove solidified product.
In case of eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.
Most important symptoms and effects, both acute and delayed	: May cause an allergic skin reaction.
Notes to physician	: Use mineral oil to soften and loosen product for removal.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: Do NOT use water jet.
Specific hazards during fire fighting	: Burning produces irritant fumes.
Special protective equipment for fire-fighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8.
Methods and materials for containment and cleaning up	: Allow to solidify.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid breathing vapors/fumes of heated product. Prevent contact with molten product.
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Conditions for safe storage : Keep in a dry, cool place.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Zinc oxide	1314-13-2	TWA (Respirable particulate matter)	2 mg/m ³	ACGIH
		STEL (Respirable particulate matter)	10 mg/m ³	ACGIH
		TWA (Fumes)	5 mg/m ³	OSHA Z-1
		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total)	10 mg/m ³	OSHA P0
		TWA (Respirable fraction)	5 mg/m ³	OSHA P0
		TWA	5 mg/m ³	OSHA P0
		STEL	10 mg/m ³	OSHA P0
		TWA (Total dust)	10 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0
		TWA (Fumes)	5 mg/m ³	OSHA P0
		STEL (Fumes)	10 mg/m ³	OSHA P0
Quartz (SiO ₂)	14808-60-7	TWA (Respirable particulate matter)	0.025 mg/m ³	ACGIH
		TWA (total dust)	30 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA	10 mg/m ³	OSHA Z-3

		(respirable)	/ %SiO ₂ +2	
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3
		TWA (Respirable fraction)	0.1 mg/m ³	OSHA P0
		TWA (Respirable dust)	0.05 mg/m ³	OSHA Z-1
		PEL (Respirable dust)	0.05 mg/m ³	CAL PEL
		TWA (respirable dust fraction)	0.1 mg/m ³	OSHA P0
Carbon black	1333-86-4	TWA	3.5 mg/m ³	ACGIH
		TWA	3.5 mg/m ³	OSHA Z-1
		TWA	3.5 mg/m ³	OSHA P0
		TWA (Inhalable particulate matter)	3 mg/m ³	ACGIH
		PEL	3.5 mg/m ³	CAL PEL
Calcium carbonate	471-34-1	PEL (Total dust)	10 mg/m ³	CAL PEL
		PEL (respirable dust fraction)	5 mg/m ³	CAL PEL
		TWA (Respirable)	5 mg/m ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
Zinc oxide	1314-13-2	TWA (Respirable particulate matter)	2 mg/m ³	ACGIH
		STEL (Respirable particulate matter)	10 mg/m ³	ACGIH
		TWA (Fumes)	5 mg/m ³	OSHA Z-1
		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total)	10 mg/m ³	OSHA P0
		TWA (Respirable)	5 mg/m ³	OSHA P0

Note: During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.

		fraction)		
		TWA	5 mg/m3	OSHA P0
		STEL	10 mg/m3	OSHA P0
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Fumes)	5 mg/m3	OSHA P0
		STEL (Fumes)	10 mg/m3	OSHA P0
Carbon black	1333-86-4	TWA	3.5 mg/m3	ACGIH
		TWA	3.5 mg/m3	OSHA Z-1
		TWA	3.5 mg/m3	OSHA P0
		TWA (Inhalable particulate matter)	3 mg/m3	ACGIH
		PEL	3.5 mg/m3	CAL PEL

Engineering measures : At the application temperature, use of local exhaust over the premelting reservoir is encouraged.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Filter type : Particulates type

Hand protection

Material : Protective gloves

Remarks : When handling hot material, use heat resistant gloves.

Eye protection : Safety glasses

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid form
 Color : black
 Odor : Neutral
 Odor Threshold : no data available
 pH : Not applicable
 Boiling point/boiling range : is not determined
 Flash point : Not applicable
 Evaporation rate : is not determined

Flammability (solid, gas)	: Not classified as a flammability hazard
Upper explosion limit	: Upper flammability limit is not determined
Lower explosion limit	: Lower flammability limit is not determined
Vapor pressure	: is not determined
Relative vapor density	: is not determined
Density	: 9.800 lb/gal
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: is not determined
Thermal decomposition	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Viscosity	
Viscosity, kinematic	: Not applicable
Solid Content, % by weight	: 100
VOC, % by weight	: 0

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No further relevant information available.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Protect from frost.
Incompatible materials	: No further relevant information available.
Hazardous decomposition products	: Stable under normal conditions. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity**Product:**

Genotoxicity in vitro

: Remarks: no data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential**Mobility in soil**

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues	: To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.
Contaminated packaging	: Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards	This material does not contain any components with a section 302 EHS TPQ.	
SARA 302	SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:	
SARA 313	Zinc oxide	1314-13-2
	zinc bis(dibutyldithiocarbamate)	136-23-2
	zinc dipropionate	557-28-8
	Zincate(4-), bis[carbonato(2-)]penta-oxapenta-, tetrahydrogen, dihydrate	5970-47-8

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

US State Regulations

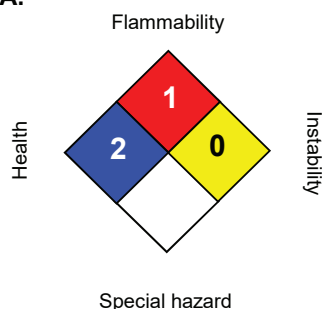
Please contact Supplier for more information.

The ingredients of this product are reported in the following inventories:

TCSI	Not in compliance with the inventory
	All substances listed as active on the TSCA inventory
AIIC	Not in compliance with the inventory
DSL	All components of this product are on the Canadian DSL
ENCS	Not in compliance with the inventory
	Not in compliance with the inventory
KECI	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
CHINV	The mixture contains substances listed on the Swiss Inventory
	Not in compliance with the inventory
	Not in compliance with the inventory
	Not in compliance with the inventory
TECI	Not in compliance with the inventory
Inventories Legend TSCA (USA), DSL (Canada), REACH(Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)	

SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Office - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

Further information**NFPA:****HMIS III:**

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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