

Wearcoat 1020 Part B

1 **PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: Wearcoat 1020 Part B
Common Name: Aliphatic polyamine
SDS Number: I14
Revision Date: 5/28/2015
Supplier Details: Coatings For Industry, Inc.
319 Township Line Road
Souderton, PA 18964

Emergency: Infotrac
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2 **HAZARDS IDENTIFICATION****Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 1
Health, Skin corrosion/irritation, 1 B
Health, Acute toxicity, 2 Inhalation
Environmental, Hazards to the aquatic environment - Chronic, 3
Health, Respiratory or skin sensitization, 1 Skin
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Oral
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:

**GHS Hazard Statements:**

H318 - Causes serious eye damage
H314 - Causes severe skin burns and eye damage
H330 - Fatal if inhaled
H412 - Harmful to aquatic life with long lasting effects
H317 - May cause an allergic skin reaction
H312 - Harmful in contact with skin
H302 - Harmful if swallowed
H402 - Harmful to aquatic life

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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P310 - Immediately call a POISON CENTER or doctor/physician.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
*****	35%	Aliphatic polyamine
2855-13-2	1.5%	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-
1477-55-0	1.5%	1,3-Benzenedimethanamine

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.
Skin Contact:	Remove contaminated clothing and shoes without delay. Wear impermeable gloves. Wash immediately with plenty of water. Pay particular attention to skin crevices, nail folds, etc. Do not reuse contaminated clothing without laundering. Do not reuse contaminated leatherware. Obtain medical attention.
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately.
Ingestion:	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point:	>200F
Flash Point Method:	TCC
Extinguishing Media:	Foam, carbon dioxide, dry chemical or fog.

Special Fire Fighting Procedures

Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.

Unusual Fire & Explosion Hazards:None Known

6 ACCIDENTAL RELEASE MEASURES

Ventilate area. Absorb spill with suitable absorbent material and place into a closed container. For large spills, dike area and pump into closed containers. Prevent this material from entering waterways. Wear protective equipment during cleanup.

7 HANDLING AND STORAGE

Handling Precautions:	Avoid release to the environment. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Do not breathe vapors or spray mist.
Storage Requirements:	Store in a cool, dry, well ventilated place and keep container tightly closed. Sensitive to frost.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Good enclosure and local exhaust ventilation should be provided to control exposure when spraying or curing at elevated temperatures.
Personal Protective	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [1.5%]

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Equipment:

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 480 min Material tested: Camatril (KCL 730 / Aldrich Z677442, Size M) Splash contact data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

1,3-Benzenedimethanamine (1477-55-0) [1.5%]

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Chloroprene Minimum layer thickness: 0.6 mm Break through time: 480 min Material tested: Camapren (KCL 722 / Aldrich Z677493, Size M) Splash contact Material: Nature latex/chloroprene Break through time: 30 min Material tested: Lapren (KCL 706 / Aldrich Z677558, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

1,3-Benzenedimethanamine (1477-55-0) [1.5%]

Components with workplace control parameters

CEIL 0.1 mg/m³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
1910.1000

Skin contact does contribute to exposure.

C 0.1 mg/m³ USA. NIOSH Recommended Exposure Limits
Potential for dermal absorption

CEIL 0.1 mg/m³ USA. ACGIH Threshold Limit Values (TLV)
Skin contact does contribute to exposure.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber	Odor:	Amine odor.
Physical State:	Liquid	Percent Volatile:	62
Spec Grav./Density:	1.05		

10 STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Avoid high heat.
Materials to Avoid:	Avoid contact with epoxides and isocyanates.
Hazardous Decomposition:	Carbon dioxide, Carbon monoxide (CO)
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [1.5%]

Information on toxicological effects

Acute toxicity:
Oral LD50 LD50 Oral - rat - 1,030 mg/kg
Inhalation LC50 no data available
Dermal LD50 Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - Skin irritation

Serious eye damage/eye irritation: Eyes - rabbit - Corrosive to eyes

Respiratory or skin sensitisation: May cause allergic skin reaction.

Causes sensitisation.

Germ cell mutagenicity: no data available

Carcinogenicity:

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IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicit

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazar

Potential health effects: Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin burns. Eyes Causes eye burns.

Synergistic effects: no data available

Additional Informatio RTECS: GV5020833

1,3-Benzenedimethanamine (1477-55-0) [1.5%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 930 mg/kg

Inhalation LC50 LC50 Inhalation - rat - female - 4 h - 1.16 mg/l

LC50 Inhalation - rat - male - 4 h - 1.38 mg/l

Dermal LD50 LD50 Dermal - rabbit - 2,000 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Severe skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit - Severe eye irritation - 24 h

Respiratory or skin sensitisation: May cause allergic skin reaction.

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

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no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin burns. Eyes Causes eye burns.

Signs and Symptoms of Exposure: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

Synergistic effects: no data available

Additional Information:

RTECS: PF8970000

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ECOLOGICAL INFORMATION

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [1.5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Leuciscus idus* (Golden orfe) - 110 mg/l - 96.0 h.

Toxicity to daphnia EC50 - *Daphnia magna* (Water flea) - 17.4 mg/l - 48 h.
and other aquatic invertebrates

Toxicity to algae EC50 - *Desmodesmus subspicatus* (green algae) - 37 mg/l - 72 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

1,3-Benzenedimethanamine (1477-55-0) [1.5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - > 100 mg/l - 96.0 h.

Toxicity to daphnia EC50 - *Daphnia magna* (Water flea) - 16 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability: Biodegradability Biotic/Aerobic Result: 0.40 % - Not readily biodegradable.

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Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.
no data available

13	DISPOSAL CONSIDERATIONS
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At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state and local regulations.

For further information, contact your state or local waste agency or the United States Environmental Protection Agency's RCRA hotline (1-800-424-9346 or 202-382-3000).

14	TRANSPORT INFORMATION
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Not regulated for transportation.

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

Water (7732-18-5) [35%] TSCA

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [1.5%] TSCA

1,3-Benzenedimethanamine (1477-55-0) [1.5%] MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act
MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level

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16	OTHER INFORMATION
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NOTICE : This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is express or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.