SAFETY DATA SHEETS

VAPOR SEAL PART B

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: VAPOR SEAL PART B
MANUFACTURER: Incredible Products LLC. ADDRESS: 1101 Lincoln Ave, Wapakoneta, OH 45895
INFORMATION PHONE: 567-297-3700 EMERGENCY PHONE: 800-424-9300
August 13, 2020

SECTION 2: HAZARDOUS IDENTIFICATION

Classification:
Skin Irritation: Category 2
Eye Irritation: Category 1B
Respiratory Sensitizer (Solid/Liquid) - Category 1
Skin Sensitizer: Category 1
Carcinogenicity: Category 2

Signal Word: Danger

Hazardous Statements- Health:
H313- May be harmful in contact with skin
H302- Harmful if swallowed
H360- May damage fertility or the unborn child
H318- Causes serious eye damage
H314- Causes severe skin burns and eye damage
H317- May cause an allergic skin reaction
H373- May cause damage to organs through prolonged or repeated exposure

Precautionary Statements- General:
P101- If medical advice is needed, have product container or label at hand
P102- Keep out of reach of children
P103- Read label before use

Precautionary Statements- Prevention:
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P273- Avoid release into the environment

Precautionary Statements- Response:
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.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.
P321 - Specific treatment (see section 4 on this SDS).
P362 + P364 - Take off contaminated clothing. And wash it before reuse.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.

Precautionary Statements- Storage:
P405- Store locked up

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

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

CAS. NO	CHEMICAL NAME	% By Weight
PROPRIETARY	CYCLOALIPHATIC AMINE	39%-72%
N/A	EPOXY POLYAMINE ADDUCT	12%-22%
0000098-54-4	PARATERITARYBUTYLPHENOL	8%-15%
0002855-13-2	ISOPHORONEDIAMINE	8%-14%
0084852-15-3	4-NONYL PHENOL BRANCHED	1.7%-3%
0009046-10-0	POLYOXYPROPYLENEDIAMINE	1.4%-2%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality

SECTION 4: FIRST AID MEASURES

INHALATION:
Remove the source of exposure or move the person to fresh air and keep them comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

SKIN CONTACT:
Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard. IF exposed or concerned: Get medical advice/attention.

EYE CONTACT:
Remove the source of exposure or move the person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention. Avoid direct contact. Wear chemical protective gloves, if necessary.

INGESTION:
Immediately call a POISON CENTER/doctor. Do NOT induce vomiting unless large amounts have been ingested. If vomiting occurs naturally, lie on your side, in the recovery position. Give 1 or 2 glasses of milk or water to drink and refer the person to medical personnel. Do not give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:
Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only

UNSUITABLE EXTINGUISHING MEDIA:
If water is used, use very large quantities of cold water. The reaction between water and hot isocyanate may be vigorous. Water and foam may cause violent frothing and possibly endanger the life of the fire fighter.

Specific Hazards in Case of Fire:
Excessive pressure or temperature may cause explosive rupture of containers

FIRE-FIGHTING PROCEDURES:
Isolate immediate hazard areas and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from the immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SPECIAL PROTECTIVE ACTIONS:
Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with a full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required. Care shoul always be exercised in dust/mist areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:
Keep unnecessary people away; isolate the hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately by using an absorbent material and shovel into a chemical waste container and cover the container, but do not seal. Remove the container from the work area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Recommended Equipment:
Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:
Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:
Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers

SECTION 7: HANDLING AND STORAGE

GENERAL:
Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.
Employee education and training in safe handling of this material is required under OSHA hazard communication standard. Individuals with existing respiratory disease such as chronic bronchitis, emphysema, or asthma should not be exposed to isocyanates.

VENTILATION REQUIREMENTS:
Use only with adequate ventilation to control air contaminants to their exposure limits.
The use of local ventilation is recommended to control emissions near the source. Air circulation and exhaustion of isocyanate vapors must be maintained until the coatings have fully cured to insure that no potential health hazard remains. Exposure to vapors of heated isocyanates can be extremely dangerous.

STORAGE ROOM REQUIREMENTS:
Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:
Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for the entire face, use it in combination with a face shield.

SKIN PROTECTION:
Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

RESPIRATORY PROTECTION:
If engineering controls do not maintain airborne concentrations to a level which is adequate to protect workers, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. When airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece or an air supplied hood. For emergencies, use a positive pressure self-contained breathing apparatus. Air purifying (cartridge type) respirators are not approved for protection against isocyanates.

APPROPRIATE ENGINEERING CONTROLS:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
N/A
BOILING POINT:
392°
EVAPORATION RATE:
Slower than ether
VAPOR DENSITY:
Heavier than air
SOLUBILITY IN H2O:
N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
Stable under normal conditions
CONDITIONS TO AVOID:
Heat, high temperature, open flame, sparks, and moisture. Contact with incompatible materials in a closed system will cause liberation of carbon dioxide and buildup of pressure.
HAZARDOUS REACTIONS/POLYMERIZATION:
Will not occur
INCOMPATIBLE MATERIALS:
This product will react with amines, alkalis, and acids. Avoid strong oxidizing agents. Some reactions can be violent.
HAZARDOUS DECOMPOSITION PRODUCTS:
Combustion products: organic vapors and thermal decomposition fragments

SECTION 11: TOXICOLOGICAL INFORMATION

0009046-10-0 POLYOXYPROPYLENEDIAMINE

LD50 (dermal rabbit): 2090 mg/kg (based on raw material SDS) LD50 (oral, rat): 480 mg/kg (based on raw material SDS)

0002855-13-2 ISOPHORONDEDIAMINE

LD50 (rat, oral): 1.030 mg/kg (based on raw material SDS)

Skin Corrosion/Irritation: Causes severe skin burns and eye damage
Serious Eye Damage/Irritation: Any contact should not be left untreated. Causes serious eye damage
Carcinogenicity: No data available
Respiratory/Skin Sensitization: Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12-24 hours. Repeaeted exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The sysmptoms may include coughing, wheezing, shortness of breath and chest tightness.
May cause an allergic skin reaction
Germ Cell Mutagenicity: No data available
Reproductive Toxicity: May damage fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
Specific Target Organ Toxicity - Single Exposure: No data available
Specific Target Organ Toxicity - Repeated Exposure: Repeated exposure generally aggravates the following medical conditions: Cardiovascular disease and Chronic repiratory disease.
Aspiration Hazard: No data available
Acute Toxicity: If ingested: In humans, irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion, and injury may be severe and cause death.

SECTION 12: ECOLOGICAL INFORMATION

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and degradability
No data available

Bioaccumulation
No data available

Other adverse effects
No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Under RCRA, it is the responsibility of the user of the product, to determine the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT Information:
UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Hazard Class: 8
Packing Group: III
Placard: Corrosive

IMDG Information
UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Hazard Class: 8
Packing Group: III
Placard: Corrosive
Marine Pollutant: No data available

IATA Information:
UN/NA #: 2735

SECTION 15: REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000098-54-4	PARATERTIARYBUTYLPH ENOL	8%-15%	DSL, SARA312, TSCA
0002855-13-2	ISOPHORONEDIAMINE	8%-14%	DSL, SARA312, VOC, TSCA
0084852-15-3	4-NONYL PHENOL	1.7%-3%	SARA312, DSL, SARA312, TSCA
0009046-10-0	POLYOXYPROPYLENEDI AMINE	1.4%-2%	DSL, TSCA

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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

SARA 311/312 Hazard Categories
Acute health hazard
Yes

Chronic Health Hazard
Yes

Fire hazard
Yes

Sudden release of pressure hazard
No

Reactive Hazard
No

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

California Proposition 65
Unknown

SECTION 16: OTHER INFORMATION

DISCLAIMER:
The information contained herein is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.