according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878 and US OSHA HCS 2015

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: UL905

Product Name: UltraLok® UL905

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: **Chemical Concepts, Inc.**
410 Pike Road
Huntingdon Valley, PA. 19006
Phone: 800.220.1966

Web site address: Email: sales@chemical-concepts.com Website: www.chemical-concepts.com

1.4 Materials Uses: Bonding and Adhering various plastic surfaces, fiberglass surfaces, gel coat, and various metals, including aluminum, steel, and stainless steel

In Case of Emergency Contact: INFOTRAC: 800-535-1035

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Acute Toxicity: Inhalation, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1

2.2 Label Elements:

GHS Signal Word: **Danger**

Hazard-determining components of labelling:
Castor oil, 4,4-diphenylmethane diisocyanate polymer
Methylenebis(phenylisocyanate)

GHS Hazard Phrases:
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS Precautionary Phrases:
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection .

GHS Response Phrases:
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313 - If skin irritation occurs, get medical advice/attention.
P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents/container to local state and federal regulations.

UFI:

2.3 Adverse Human Health Effects and Symptoms: Hazards not otherwise classified (HNOC) or not covered by GHS -none.

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
68424-09-9	Castor oil, 4,4-diphenylmethane diisocyanate polymer	60.0 -80.0 %	NA NA	Skin Corr. 2: H315 Eye Damage 2A: H319 Acute Tox.(I) 4: H332 Resp. Sens. 1: H334 STOT (SE) 3: H335 H336
14807-96-6	Talcum 01-2120140278-58	10.0 -30.0 %	238-877-9 NA	STOT (SE) 1: H370 STOT (RE) 1: H372
101-68-8	Methylenebis(phenylisocyanate) 01-2119457014-47	< 5.0 %	202-966-0 615-005-00-9	Skin Corr. 2: H315 Skin Sens. 1: H317 Eye Damage 2A: H319 Acute Tox.(I) 4: H332 Resp. Sens. 1: H334 STOT (SE) 3: H335 Carcinogen 2: H351 STOT (RE) 2: H373

Section 4. First Aid Measures

4.1 Description of First Aid Measures: Move out of dangerous area.

In Case of Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing and seek medical help immediately. Asthmatic-type symptoms may develop and may be immediate or delayed up to several houts.

In Case of Skin Contact: Remove contaminated clothing or shoes, wipe excess from skin. Wash with soap and plenty of water (warm water is preferable if readily available).

In Case of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open and seek medical attention.

In Case of Ingestion: Do not give any liquids (do not induce vomiting). Get medical help immediately.

4.2 Important Symptoms and Effects, Both Acute and Delayed: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed: No data available.

Section 5. Fire Fighting Measures

5.1	**Suitable Extinguishing Media:**	Use Dry Chemical, Carbon Dioxide, Foam, or Water Fog. For large fires, alcohol resistant foams (including AFFF) or protein foams may function but much less effectively. Water is not recommended but may be applied in very large quantities as a fine spray when other extinguishing media are not available.
5.2	**Flammable Properties and Hazards:**	No data available.
		No data available.
	Flash Pt:	> 204.4 C (> 400.00 F) Method Used: Estimate
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	**Fire Fighting Instructions:**	Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. Do not enter a confined space without full bunkjer gear, including a positive pressure NIOSH approved self-contained breathing apparatus. During fire, irritating and toxic gases may be generated by thermal decompostion or combustion. Product reacts with water. Reaction may produce heat and/or gases.

Section 6. Accidental Release Measures

6.1	**Protective Precautions, Protective Equipment and Emergency Procedures:**	Remove all sources of ignition and ventilate the area.
6.2	**Environmental Precautions:**	Dike and contain spilled material and control further spillage if feasible. Cover spill with clay, sand, saw dust, vermiculite, Fuller's earth or other suitable absorbent.
6.3	**Methods and Material For Containment and Cleaning Up:**	Collect material in non-leaking containers and seal tightly for disposal. Attempt to neutralize by adding a mixture of: water(80%) with non-ionic surfactant Tergitol TMN-10(20%), or water(90%), concentrated ammonia(3-8%) and detergent(2%). Add about 10 parts of neutralizer per part of isocyanate while mixing. Allow to stand uncovered for 48hours to let CO2 escape. If ammonia is used, use good ventilation to prevent vapor exposure. Large quantities may be pumped into closed, but not sealed containers. Refer to section 13 for disposal information.

Section 7. Handling and Storage

7.1	**Precautions To Be Taken in Handling:**	Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Employee education and training in the safe use and handling of this material are required under the OSHA Hazard Communication Standard. Use with adequate ventilation.
7.2	**Precautions To Be Taken in Storing:**	Store indoors in a dry place away from heat between 65 to 85F. Keep containers tightly closed when not in use. Keep product from exposing to atmospheris moisture and maintain a nitrogen atmosphere in the containers at all times. Do not store product contiminated with water to prevent potential hazardous reaction. Refer to Section X of the SDS for reactivity and stability data.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS # Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
68424-09-9 Castor oil, 4,4-diphenylmethane diisocyanate polymer	Switzerland OEL	TWA: 0.02 mg/m3 (0.005 ppm) STEL: 0.02 mg/m3 (0.005 ppm)	
	Finland OEL	STEL: 0.035 mg/m3 (15 min)	
	Britain EH40	TWA: 0.02 mg/m3 STEL: 0.07 mg/m3	
14807-96-6 Talcum	ACGIH TLV	TLV: 2 mg/m3 (non-asbestos)	
	Australia	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
	Belgium OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
	Switzerland OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
	Germany MAK/TRK	TWA: 2 mg/m3 A	
	Denmark OEL	TWA: 0.3 mg/m3 STEL: 0.6 mg/m3 (Inhalable aerosol and vapor)	
	Spain OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
	Finland OEL	STEL: 2 ppm (15 min) (Inhalable fraction)	
	Hungary OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
	Ireland OEL	TWA: 10 mg/m3 (Inhalable fraction)	
	Latvia OEL	TWA: 4 mg/m3	
	NIOSH	TWA: 2 mg/m3 (no asbestos)	
	Netherlands OEL	TWA: 0.25 mg/m3 (Inhalable aerosol and vapor)	
	OSHA PELs	PEL: 706 mppm3/20 mppcf	
	Sweden OEL	TWA: 2 mg/m3 (Inhalable aerosol)	
	Britain EH40	TWA: 1 mg/m3 () STEL: ()	
101-68-8 Methylenebis(phenylisocyanate)	ACGIH TLV	TLV: 0.005 ppm	
	Australia	TWA: 0.05 mg/m3 (0.005 ppm) STEL: 0.1 mg/m3 (0.01 ppm)	
	Belgium OEL	TWA: 0.052 mg/m3 (0.005 ppm)	
	Switzerland OEL	TWA: 0.02 mg/m3 (0.005 ppm) STEL: 0.02 mg/m3 (0.005 ppm)	
	German AGS (Ausschuss für Gefa	TWA: 0.05 mg/m3 STEL: 0.5 mg/m3 (15 min) CEIL: 0.1 mg/m3 (Inhalable aerosol and vapor)	
	Germany MAK/TRK	TWA: 0.05 mg/m3 (0.005 ppm) STEL: 0.1 mg/m3 (0.01 ppm) (5min) (8x)	Sensitizer
	Denmark OEL	TWA: 0.05 mg/m3 (0.005 ppm) STEL: 0.1 mg/m3 (0.01 ppm)	
	Spain OEL	TWA: 0.052 mg/m3 (0.005 ppm)	Sensitizer
	Finland OEL	STEL: 0.035 mg/m3 (15 min)	
	France VL	TWA: 0.1 mg/m3 (0.01 ppm) STEL: 0.2 mg/m3 (0.02 ppm)	
	Hungary OEL	TWA: 0.05 mg/m3 STEL: 0.05 mg/m3	
	Ireland OEL	TWA: 0.02 mg/m3 STEL: 0.07 mg/m3 (15 min)	
	NIOSH	TWA: 0.05 mg/m3 (0.005 ppm) CEIL: 0.2 mg/m3 (10m) (0.02 ppm (10m))	

101-68-8 Methylenebis(phenylisocyanate) (continued)	OSHA PELs	CEIL: 0.02 ppm	
	Poland	TWA: 0.05 mg/m3 CEIL: 0.2 mg/m3	
	Sweden OEL	TWA: 0.03 mg/m3 (0.002 ppm) CEIL: 0.05 mg/m3 (0.005 ppm)	
	Britain EH40	TWA: 0.02 mg/m3 STEL: 0.07 mg/m3	

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Hazard control from vapor or spray mist is ideally performed by the use of engineering controls. MDI levels must be monitored.

8.2.2 Personal protection equipment:

Personal Protective Equipment Symbols:

Eye Protection: Safety glasses, Chemical / splash goggles.

Protective Gloves: Avoid contact with skin and clothing. Use permeation resistant gloves such as butyl rubber, nitrile rubber or polyvinyl alcohol. However, please note that PVA degrades with water.

Other Protective Clothing: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Equipment (Specify Type): Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required for certain operations, use an approved positive pressure supplied-air respirator. Avoid breathing vapors which may be produced under some conditions such as heating. Avoid breathing aerosols and mists. Use NIOSH / MSHA respiratory protection equipment when airborne exposure is excessive.

8.2.3 Environmental Exposure Controls: No special environmental precautions required.

Exposure Scenarios: No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: beige.
Slightly musty odor.

pH: No data.

Melting Point: -17.8 C (0.00 F)

Boiling Point: No data. - 207.8 C (406.00 F)

Flash Pt: > 204.4 C (> 400.00 F) Method Used: Estimate

Evaporation Rate: No data.

Saturated Vapor Concentration: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): < 10 MM_HG

	No data.
Vapor Density (vs. Air = 1):	8.5 LG/M3
Specific Gravity (Water = 1):	No data.
Density:	1.3182 G/ML (11 - LB/GA)
Solubility in Water:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.

9.2 Other Information

9.2.1 Information with regard to physical hazard classes

Information with regard to primary physical hazard:

9.2.2 Other safety characteristics

Section 10. Stability and Reactivity

10.1	**Reactivity:**	Hazardous Polymerization can occur which could be catalyzed by strong bases and water.
10.2	**Stability:**	Unstable [ ] Stable [X]
10.3	**Conditions To Avoid - Hazardous Reactions:**	Avoid temperature above 90F. Avoid temperatures below 64F. Avoid moisture. Product can decompose at elevated temperature.
	Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
10.4	**Conditions To Avoid - Instability:**	Product is stable under normal conditions of storage and handling. Product is very Unstable when contaminated with water.
10.5	**Incompatibility - Materials To Avoid:**	Avoid contact with metals such as aluminum, brass, copper, galvanized metals, and zinc. Reaction with water can generate carbon dioxide. Generation of gas can cause pressure build up in closed systems. Avoid contact with acids, alcohol, amines, ammonia, bases, metal compounds, moist air, strong oxidizers, and water. Avoid unintended contact with polyols.
10.6	**Hazardous Decomposition or Byproducts:**	By heat and fire: Carbon dioxide, carbon monoxide, Aldehydes, acids and other organic substances may be formed.

Section 11. Toxicological Information

11.1	**Information on Toxicological Effects:**	Acute toxicity. Oral LD50: >15,800 mg/kg (Rabbit) Dermal LD50: >5,010 but <7,940 mg/kg (Rabbit) Inhalation LC50: The 4 hour LC50 for polymeric MDI in rats ranges from 370 to 490 mg/m3. The LC50 for monomeric MDI was estimated to be between 172 and 187 mg/m3. - Mutagenicity. Positive (Salmonella micro some test with metabolic activation; cell transformation assay). As well as negative (mouse lymphoma specific locus mutation test with or without metabolic activation) results have been observed "in vitro". However, MDI was negative in an "in vivo" (mouse micronuclleus) assay.
	Sensitization:	No data available.
	Chronic Toxicological Effects:	Specific target organ toxicity -single exposure (Globally Harmonized System) No data available. Specific target organ toxicity -repeated exposure: no data available.
	Carcinogenicity/Other Information:	IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3. 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.
Carcinogenicity:		NTP? No IARC Monographs? No OSHA Regulated? No

Section 12. Ecological Information

12.1	**Toxicity:**	No data available.
12.2	**Persistence and Degradability:**	No data available.
12.3	**Bioaccumulative Potential:**	No data available.
12.4	**Mobility in Soil:**	No data available.
12.5	**Results of PBT and vPvB assessment:**	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
12.6	**Other adverse effects:**	No data available.

Section 13. Disposal Considerations

13.1	**Waste Disposal Method:**	Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not a dangerous good in sense of this transport regulation.
DOT Product RQ: 25000lbs

DOT Hazard Class:

UN/NA Number: **Packing Group:** III

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:** III

Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:** III

Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:** III

Hazard Class:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68424-09-9	Castor oil, 4,4-diphenylmethane diisocyanate polymer	No	No	No
14807-96-6	Talcum	No	No	No
101-68-8	Methylenebis(phenylisocyanate)	No	Yes NA	Yes-Cat. N120 (5%)

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No Explosive
[ ] Yes [X] No Flammable (gases, aerosols, liquid, or solid)
[ ] Yes [X] No Oxidizer (liquid, solid or gas)
[ ] Yes [X] No Self-reactive
[ ] Yes [X] No Pyrophoric (liquid or solid)
[ ] Yes [X] No Pyrophoric gas
[ ] Yes [X] No Self-heating
[ ] Yes [X] No Organic peroxide
[ ] Yes [X] No Corrosive to metal
[ ] Yes [X] No Gas under pressure (compressed gas)
[ ] Yes [X] No In contact with water emits flammable gas
[ ] Yes [X] No Combustible Dust
[ ] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)
[X] Yes [ ] No Acute toxicity (any route of exposure)
[X] Yes [ ] No Skin Corrosion or Irritation
[X] Yes [ ] No Serious eye damage or eye irritation
[X] Yes [ ] No Respiratory or Skin Sensitization
[ ] Yes [X] No Germ cell mutagenicity
[ ] Yes [X] No Carcinogenicity
[ ] Yes [X] No Reproductive toxicity
[ ] Yes [X] No Specific target organ toxicity (single or repeated exposure)
[ ] Yes [X] No Aspiration Hazard
[ ] Yes [X] No Simple Asphyxiant
[ ] Yes [X] No (Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68424-09-9	Castor oil, 4,4-diphenylmethane diisocyanate polymer	TSCA: Yes - Inventory: Active; CA PROP.65: No
14807-96-6	Talcum	TSCA: Yes - Inventory: Active/Exempt; CA PROP.65: No
101-68-8	Methylenebis(phenylisocyanate)	TSCA: Yes - Inventory: Active/Exempt, 8C; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
68424-09-9	Castor oil, 4,4-diphenylmethane diisocyanate polymer	REACH: Yes - (P)

14807-96-6	Talcum	REACH: Yes - 01-2120140278-58: Full, (P)
101-68-8	Methylenebis(phenylisocyanate)	REACH: Yes - 01-2119457014-47: Full, (P)

Regulatory Information: Under applicable definitions, the product is considered to be an immediate health hazzard, a delyed health hazzard, and a reactive hazard.

-

CERCLA REPRTABLE QUANTITY: 5000lbs for 4,4'-Diphenylmethane Diisocyanate, CAS# 101-68-8

-

RCRA: If discarded in its purchased form, this product would not be a hazardous waste by listing. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

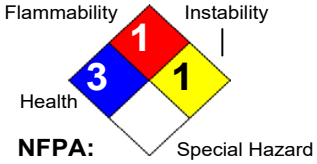
Section 16. Other Information

Revision Date: 07/08/2022

Hazard Rating System:

HMIS:

HEALTH	3
FLAMMABILITY	1
REACTIVITY	1
PPE	B



NFPA:

Additional Information About This Product: No data available.

Company Policy or Disclaimer: The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878 and US OSHA HCS 2015

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: 905B

Product Name: Parbond 905 Part B

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Parson Adhesives, Inc.
3345 Auburn Road, Suite 107
Rochester Hills, MI 48309 United States of America

Web site address: www.parsonadhesives.com

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC (800)262-8200
International (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Acute Toxicity: Inhalation, Category 4

2.2 Label Elements:

GHS Signal Word: **Warning**

Hazard-determining components of labelling:

GHS Hazard Phrases:

H315 - Causes skin irritation.
H320 - Causes eye irritation.
H335 - May cause respiratory irritation.

GHS Precautionary Phrases:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P232 - Protect from moisture.
P233 - Keep container tightly closed.

GHS Response Phrases:

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases:

P403+235 - Store in cool/well-ventilated place.
P404 - Store in a closed container.
P501 - Dispose of contents/container to Federal State/Provincal and local governmental regulations..

UFI:

2.3 Adverse Human Health Effects and Symptoms: Hazards not otherwise classified (HNOC) or not covered by GHS -none.

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
9051-49-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1) 01-2119457860-34	40.0 -70.0 %	500-030-9 NA	No GHS classifications apply.
14807-96-6	Talcum 01-2120140278-58	30.0 -50.0 %	238-877-9 NA	STOT (SE) 1: H370 STOT (RE) 1: H372
1333-86-4	Carbon black 01-2119384822-32	< 0.2 %	215-609-9 NA	Carcinogen 2: H351 STOT (RE) 1: H372

Section 4. First Aid Measures

4.1 Description of First Aid Measures: Move out of dangerous area.

In Case of Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing and seek medical help immediately. .

In Case of Skin Contact: Remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water for at least 15 minutes. Use soap if available or follow by washing with soap and water. Do not reuse clothing until thoroughly cleaned.

In Case of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open and seek medical attention.

In Case of Ingestion: Do not give any liquids (do not induce vomiting) if victim is unconscious or very drowsy. Get medical help immediately.

4.2 Important Symptoms and Effects, Both Acute and Delayed: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed: No data available.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Media: Use Dry Chemical, Carbon Dioxide, Foam, or Water Fog.

5.2 Flammable Properties and Hazards: No data available.

No data available.

Flash Pt: > 162.8 C (> 325.00 F) Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Instructions: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters.
Do not enter a confined space without full bunkjer gear, including a positive pressure NIOSH approved self-contained breathing apparatus. During fire, irritating and toxic

gases may be generated by thermal decompostion or combustion.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Protective Equipment and Emergency Procedures: Remove all sources of ignition and ventilate the area.

6.2 Environmental Precautions: Dike and contain spilled material and control further spillage if feasible. Cover spill with clay, sand, saw dust, vermiculite, Fuller's earth or other suitable absorbent.

6.3 Methods and Material For Containment and Cleaning Up: Collect material in non-leaking containers and seal tightly for disposal. Refer to section 13 for disposal information.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Employee education and training in the safe use and handling of this material are required under the OSHA Hazard Communication Standard. Use with adequate ventilation.

7.2 Precautions To Be Taken in Storing: Store indoors in a dry place away from heat between 65 to 85F. Keep containers tightly closed when not in use.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
14807-96-6	Talcum	ACGIH TLV	TLV: 2 mg/m3 (non-asbestos)	
		Australia	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
		Belgium OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
		Switzerland OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
		Germany MAK/TRK	TWA: 2 mg/m3 A	
		Denmark OEL	TWA: 0.3 mg/m3 STEL: 0.6 mg/m3 (Inhalable aerosol and vapor)	
		Spain OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
		Finland OEL	STEL: 2 ppm (15 min) (Inhalable fraction)	
		Hungary OEL	TWA: 2 mg/m3 (Inhalable aerosol and vapor)	
		Ireland OEL	TWA: 10 mg/m3 (Inhalable fraction)	
		Latvia OEL	TWA: 4 mg/m3	
		NIOSH	TWA: 2 mg/m3 (no asbestos)	
		Netherlands OEL	TWA: 0.25 mg/m3 (Inhalable aerosol and vapor)	
		OSHA PELs	PEL: 706 mppm3/20 mppcf	
		Sweden OEL	TWA: 2 mg/m3 (Inhalable aerosol)	
		Britain EH40	TWA: 1 mg/m3 () STEL: ()	
1333-86-4	Carbon black	ACGIH TLV	TLV: 3 mg/m3 (IHL)	
		Belgium OEL	TWA: 3.5 mg/m3	
		Denmark OEL	TWA: 3.5 mg/m3 STEL: 7.0 mg/m3	
		Spain OEL	TWA: 3.5 mg/m3	
		Finland OEL	TWA: 3.5 mg/m3 STEL: 7 mg/m3 (15 min)	

1333-86-4 Carbon black (continued)	France VL	TWA: 3.5 mg/m3	
	Ireland OEL	TWA: 3.5 mg/m3 STEL: 7 mg/m3 (15 min)	
	NIOSH	TWA: 3.5 mg/m3 (without PAHs)	
	OSHA PELs	PEL: 3.5 mg/m3	
	Sweden OEL	TWA: 3 mg/m3	
	Britain EH40	TWA: 3.5 mg/m3 () STEL: 7 mg/m3 ()	

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Hazard control from vapor or spray mist is ideally performed by the use of engineering controls. General or local ventilation or isolation may prove adequate to keep airborne exposures below exposure limits.

8.2.2 Personal protection equipment:

Personal Protective Equipment Symbols:

Eye Protection: Safety glasses, Chemical / splash goggles.

Protective Gloves: Avoid contact with skin and clothing. Use chemical resistant gloves.

Other Protective Clothing: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Equipment (Specify Type): Avoid breathing vapors which may be produced under some conditions such as heating. Avoid breathing aerosols and mists. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure is excessive.

8.2.3 Environmental Exposure Controls: No special environmental precautions required.

Exposure Scenarios: No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Black.
Slightly musty odor.

pH: No data.

Melting Point: -17.8 C (0.00 F)

Boiling Point: No data.

Flash Pt: > 162.8 C (> 325.00 F) Method Used: Pensky-Marten Closed Cup

Evaporation Rate: No data.

Saturated Vapor Concentration: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): <
No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1):	No data.
Density:	1.2943 G/ML (10.8 - LB/GA)
Solubility in Water:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.

9.2 Other Information

9.2.1 Information with regard to physical hazard classes

Information with regard to primary physical hazard:

9.2.2 Other safety characteristics

Section 10. Stability and Reactivity

10.1	**Reactivity:**	Hazardous Polymerization will not occur under normal storage conditions.
10.2	**Stability:**	Unstable [ ] Stable [X]
10.3	**Conditions To Avoid - Hazardous Reactions:**	Moisture and high temperature
	Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
10.4	**Conditions To Avoid - Instability:**	Product is stable under normal conditions of storage and handling.
10.5	**Incompatibility - Materials To Avoid:**	No data available.
10.6	**Hazardous Decomposition or Byproducts:**	By heat and fire: Carbon dioxide, carbon monoxide, Aldehydes, acids and other organic substances may be formed.

Section 11. Toxicological Information

11.1	**Information on Toxicological Effects:**	Product is not toxic
	Sensitization:	No data available.
Carcinogenicity:		NTP? No IARC Monographs? No OSHA Regulated? No

Section 12. Ecological Information

12.1	**Toxicity:**	No data available.
12.2	**Persistence and Degradability:**	No data available.
12.3	**Bioaccumulative Potential:**	No data available.
12.4	**Mobility in Soil:**	No data available.
12.5	**Results of PBT and vPvB assessment:**	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
12.6	**Other adverse effects:**	No data available.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not a dangerous good in sense of this transport regulation.
DOT Product RQ: NONE

DOT Hazard Class:

UN/NA Number: **Packing Group:** III

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:** III

Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:** III

Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:** III

Hazard Class:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9051-49-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1)	No	No	No
14807-96-6	Talcum	No	No	No
1333-86-4	Carbon black	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No Explosive
[ ] Yes [X] No Flammable (gases, aerosols, liquid, or solid)
[ ] Yes [X] No Oxidizer (liquid, solid or gas)
[ ] Yes [X] No Self-reactive
[ ] Yes [X] No Pyrophoric (liquid or solid)
[ ] Yes [X] No Pyrophoric gas
[ ] Yes [X] No Self-heating
[ ] Yes [X] No Organic peroxide
[ ] Yes [X] No Corrosive to metal
[ ] Yes [X] No Gas under pressure (compressed gas)
[ ] Yes [X] No In contact with water emits flammable gas
[ ] Yes [X] No Combustible Dust
[ ] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)

[X] Yes [ ] No Acute toxicity (any route of exposure)
[X] Yes [ ] No Skin Corrosion or Irritation
[X] Yes [ ] No Serious eye damage or eye irritation
[ ] Yes [X] No Respiratory or Skin Sensitization
[ ] Yes [X] No Germ cell mutagenicity
[ ] Yes [X] No Carcinogenicity
[ ] Yes [X] No Reproductive toxicity
[ ] Yes [X] No Specific target organ toxicity (single or repeated exposure)
[ ] Yes [X] No Aspiration Hazard
[ ] Yes [X] No Simple Asphyxiant
[ ] Yes [X] No (Health) Hazard Not Otherwise Classified (HNOC)

California Proposition 65

WARNING This product can expose you to chemicals including Acetylene Black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9051-49-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1)	TSCA: Yes - Inventory: Active; CA PROP.65: No
14807-96-6	Talcum	TSCA: Yes - Inventory: Active/Exempt; CA PROP.65: No
1333-86-4	Carbon black	TSCA: Yes - Inventory: Active/Exempt; CA PROP.65: Yes: Canc.

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
9051-49-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1)	REACH: Yes - 01-2119457860-34: Full, (P)
14807-96-6	Talcum	REACH: Yes - 01-2120140278-58: Full, (P)
1333-86-4	Carbon black	REACH: Yes - 01-2119384822-32: Full, (P)

Regulatory Information:

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CERCLA REPRTABLE QUANTITY: NONE

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RCRA: If discarded in its purchased form, this product would not be a hazardous waste by listing. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

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CALIFORNIA PROPOSITION 65: This product contains Carbon Black CAS# 1333-86-4 a chemical known to the State of California to cause cancer.

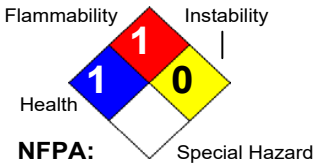
Section 16. Other Information

Revision Date: 07/08/2022

Hazard Rating System:

HMIS:

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	B



NFPA:

Additional Information About This Product: No data available.

Company Policy or Disclaimer: The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.