H01/5P-3120 BLACK

Safety Data Sheet

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SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : H01/5P-3120 BLACK

Product code : TENPCPP89086

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Manufacture of plastics products, including compounding and conversion.

1.3. Supplier

A. Schulman Inc
3637 Ridgewood Road
Fairlawn, OH 44333

Schulman Canada
945 A Southgate
Guelph, ON N1L 089

Customer service phone : 1-800-54-RESIN

Regulatory information: ASI-Amer.Regulatory.Requests@lyondellbasell.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN707712
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

All ingredients of this product are bound in a polymer matrix and present no potential for exposure as shipped. However, if the polymer matrix is broken, the below listed hazard warnings will apply. The end-user should take the necessary precautions against any potential hazards related to the processing of this material.

GHS-US and GHS-Canada classification

Not classified

2.2. GHS Label elements, including precautionary statements

Encapsulated product.

GHS-US and GHS-Canada labelling

Signal word (GHS-US and GHS-Canada) : Warning

Hazard statements (GHS-US and GHS-Canada) : May form combustible dust concentrations in air

Other hazards not contributing to the classification : The components of this product are encapsulated and present no potential for exposure as shipped.
This product is not hazardous in the form in which it is shipped by the manufacturer.
The product is not expected to create any unusual hazards when handled and processed according to good manufacturing practices and the guidelines in this SDS.

2.4. Unknown acute toxicity (GHS-US and GHS-Canada)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
carbon black	(CAS No.) 1333-86-4	10 - 30

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical advice.

First-aid measures after inhalation : Remove casualty to fresh air and keep warm and at rest.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Following contact with the melted product, quickly cool affected skin area with water. Do not attempt to remove congealed product from skin.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. If eye irritation persists, consult a specialist.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Inhalation of dust may cause irritation of the respiratory system.

Symptoms/effects after skin contact : The melted product can cause severe burns.

Symptoms/effects after eye contact : If eye irritation persists: Get medical advice/attention.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry extinguishing powder. Foam. Carbon dioxide (CO2).

5.2. Specific hazards arising from the chemical

Fire hazard : Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon dioxide (CO2). Carbon monoxide. Gas/vapours, toxic.

Reactivity : None under normal conditions.

5.3. Special protective equipment and precautions for fire-fighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing. Avoid generation of dust. Provide adequate ventilation. High slip hazard because of leaking or spilled product.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow uncontrolled leakage of product into the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Remove mechanically, placing in appropriate containers for disposal. Handle contaminated packaging in the same way as the product itself.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid generation of dust. Provide adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. When using do not eat, drink or smoke. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Storage area : Keep container tightly closed and dry.

Special rules on packaging : Keep/Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

carbon black (1333-86-4)		
ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ (inhalable fraction)
ACGIH	Remark (ACGIH)	Bronchitis
OSHA	OSHA PEL (TWA) (mg/m³)	3,5 mg/m³
IDLH	US IDLH (mg/m³)	1750 mg/m³
NIOSH	NIOSH REL (TWA) (mg/m³)	3,5 mg/m³ 0,1 mg/m³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)
NIOSH	NIOSH REL (STEL) (mg/m³)	0,1 mg/m³
Canada (Quebec)	VEMP (mg/m³)	3,5 mg/m³
Alberta	OEL TWA (mg/m³)	3,5 mg/m³
British Columbia	OEL TWA (mg/m³)	3 mg/m³ (inhalable)
British Columbia	Notations and remarks	(2B)
Manitoba	OEL TWA (mg/m³)	3 mg/m³ (inhalable fraction)
New Brunswick	OEL TWA (mg/m³)	3,5 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	3 mg/m³ (inhalable fraction)
Nova Scotia	OEL TWA (mg/m³)	3 mg/m³ (inhalable fraction)
Nunavut	OEL STEL (mg/m³)	7 mg/m³
Nunavut	OEL TWA (mg/m³)	3,5 mg/m³
Northwest Territories	OEL STEL (mg/m³)	7 mg/m³
Northwest Territories	OEL TWA (mg/m³)	3,5 mg/m³
Ontario	OEL TWA (mg/m³)	3 mg/m³ (inhalable)
Prince Edward Island	OEL TWA (mg/m³)	3 mg/m³ (inhalable fraction)
Saskatchewan	OEL STEL (mg/m³)	7 mg/m³
Saskatchewan	OEL TWA (mg/m³)	3,5 mg/m³
Yukon	OEL STEL (mg/m³)	7 mg/m³
Yukon	OEL TWA (mg/m³)	3,5 mg/m³

8.2. Appropriate engineering controls

Appropriate engineering controls : If suction of the immediate vicinity is impossible or insufficient, the entire working place must be sufficiently ventilated using appropriate machines.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves

Eye protection:

Wear eye/face protection

Skin and body protection:

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. particulates filter device (DIN EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Granules.
Colour	:	BLK - Black
Odour	:	Odourless.
Odour threshold	:	No data available
pH	:	not applicable
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	Decomposes before boiling
Flash point	:	No data available
Relative evaporation rate (butylacetate=1)	:	not applicable
Flammability (solid, gas)	:	No data available
Vapour pressure	:	not applicable
Relative vapour density at 20 °C	:	not applicable
Relative density	:	No data available
Relative gas density	:	not applicable
Solubility	:	Water: insoluble
Log Pow	:	not applicable
Self ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	not applicable
Viscosity, kinematic	:	not applicable
Viscosity, dynamic	:	not applicable
Explosive limits	:	No data available
Explosive properties	:	not applicable.
Oxidising properties	:	not applicable.

9.2. Other information

Minimum ignition energy	:	not applicable
SADT	:	not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Strong acid. strong alkalis. Oxidizing agents.

10.6. Hazardous decomposition products

In case of fire: Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

carbon black (1333-86-4)	
LD50 oral rat	8000 mg/kg
ATE US (oral)	8000 mg/kg bodyweight

Skin corrosion/irritation : Not classified
pH: not applicable

Serious eye damage/irritation : Not classified
pH: not applicable

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

carbon black (1333-86-4)	
Additional information	Tumors in the rat lung are considered to be related to the “lung overload” rather than to a specific chemical effect of carbon black itself in the lung. These effects in rats have been reported in many studies on other poorly soluble inorganic particles and appear to be rat specific (ILSI, 2000). Tumors have not been observed in other species (i.e, mouse and hamster) for carbon black or other poorly soluble particles under similar circumstances and study conditions.
IARC group	2B - Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Inhalation of dust may cause irritation of the respiratory system.

Symptoms/effects after skin contact : The melted product can cause severe burns.

Symptoms/effects after eye contact : If eye irritation persists: Get medical advice/attention.

Other information : Several inhalation studies involving carbon black in female rats have shown increases in benign and malignant lung tumors. Although a large body of data on possible mechanisms of carcinogenicity in rats was considered by the IARC Working Group, it was not possible to state with confidence that the mechanisms of carcinogenicity in rats correlate to exposure in humans. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions

SECTION 12: Ecological information

12.1. Toxicity

carbon black (1333-86-4)	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 5600 mg/l
ErC50 (algae)	> 10000 mg/l

12.2. Persistence and degradability

H01/5P-3120 BLACK	
Persistence and degradability	Experience so far shows this product to be inert and not degradable.

12.3. Bioaccumulative potential

H01/5P-3120 BLACK	
Log Pow	not applicable

H01/5P-3120 BLACK	
Bioaccumulative potential	No indication of bio-accumulation potential.

12.4. Mobility in soil

H01/5P-3120 BLACK	
Mobility in soil	Mobility/evaluation:negative.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Comply with local regulations for disposal.

Waste disposal recommendations : Do not empty into drains; dispose of this material and its container in a safe way. Handle contaminated packaging in the same way as the product itself.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Not regulated

Transportation of Dangerous Goods

Not regulated

Not regulated

Transport by sea

Not regulated

Not regulated

Air transport

Not regulated

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory with status Active

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

carbon black (1333-86-4)
U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)
U.S. - Illinois - Toxic Air Contaminant Carcinogens
U.S. - Illinois - Toxic Air Contaminants
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) List

15.3. Canadian Federal regulations

All chemical substances in this product are listed or excluded from listing on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL) inventory.

SECTION 16: Other information

Revision date : 04/08/2019

Version : 1.0

Abbreviations and acronyms:

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SVHC	Substance of very high concern
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("MARPOL" is short for marine pollution and 73/78 short for the years 1973 and 1978.)
IBC	The International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
OSHA	Occupational Safety & Health Administration
TWA	Time Weighted Average
STEL	Occupational Exposure Limits - Short Term Exposure Limits (STELs)
ACGIH	American Conference of Governement Industrial Hygienists
TLV	Threshold Limit Value
IARC	International Agency for Research on Cancer

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