



Safety Data Sheet

FOR INDUSTRIAL USE ONLY

BLACK TOOLING

Revision Date 6/14/2018

1. Identification

Product Name: BLACK TOOLING

POLYCOR

SDS Number: 945B201

Product Use: Industrial

Manufacturer, Importer, Supplier

Polynt Composites USA, Inc.
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Carpentersville IL 60110

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INITIAL CANADA SUPPLIER
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Telephone

For Emergency Transportation Information
CHEMTREC US Domestic (800) 424-9300
CHEMTREC International (703) 527-3887

For additional health, safety or regulatory information, call (847) 836-3659

2. Hazard identification

EMERGENCY OVERVIEW: Risk of serious damage to the lungs (by aspiration). May cause sensitization by inhalation and skin contact.

GHS Classification

Acute Tox. 4 Inhalation, Carc. 2, Flam. Liq. 3, Skin Sens. 1, STOT RE 1, STOT SE 3 NE, STOT SE 3 RTI

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

Flammable Liquid, category 3

H226

Flammable liquid and vapour.

Carcinogenicity, category 2

H351

Suspected of causing cancer.

STOT, single exposure, category 3, RTI

H335

May cause respiratory irritation.

STOT, single exposure, category 3, NE

H336

May cause drowsiness or dizziness.

STOT, repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.

GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use dry chemical, foam, water spray to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to in accordance with local/regional/national/international regulations.
P201	Obtain special instructions before use.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P281	Use personal protective equipment as required.

GHS SDS PRECAUTIONARY STATEMENTS

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P270	Do not eat, drink or smoke when using this product.
P363	Wash contaminated clothing before reuse.

3. Composition/Information on ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
STYRENE MONOMER	100-42-5	42.97
METHYL METHACRYLATE	80-62-6	1-5
LIGHT AROMATIC NAPHTHA	64742-95-6	0.1-1.0
ETHYLENE GLYCOL	107-21-1	0.1-1.0
CARBON BLACK	1333-86-4	0.1-1.0

4. First-aid measures

FIRST AID - EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

FIRST AID - INGESTION: Do NOT induce vomiting. If ingested, consult a physician. Aspiration hazard if swallowed - can enter lungs and cause damage.

FIRST AID - INHALATION: Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Remove contaminated clothes and shoes. Get medical attention if irritation develops.

5. Fire-fighting measures**Extinguishing Media:**

Suitable	Carbon Dioxide, Dry Chemical, Foam, Water Fog
Not suitable	Water Jet

SPECIAL FIREFIGHTING PROCEDURES: Use full protective clothing. Use a properly-fitted, air-purifying or air-fed respirator

complying with an approved standard if a risk assessment indicates this is necessary. Vapors may be ignited by heat, pilot lights, other flames and ignition sources. Self-accelerating decomposition may occur if the specific control temperature is not maintained. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Cool containers / tanks with water spray. Do not use a solid water stream as it may scatter and spread fire. In case of fire: Use carbon dioxide, dry chemical, foam, water fog to extinguish.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No Information

6. Accidental release measures

ENVIRONMENTAL MEASURES: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Prevent entry into waterways, sewers, basements or confined areas.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Do not flush into surface water or sanitary sewer system. Use non-sparking tools and equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapors or mists.

PRECAUTIONARY MEASURES: No Information

7. Handling and storage



HANDLING: Keep away from heat and sources of ignition. Ground/bond container and equipment. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors, mist or gas. Use only in well-ventilated areas. Wash contaminated clothing before reuse.

STORAGE: Store and dispose according to national, state and local regulations. Keep container closed when not in use. Store contents under 100F (37.8C). Store drums with bung in the upright position. Electrical equipment must be grounded; suitable for the classification of the area where it is installed and conform to the National Electric Code (see NFPA 70). Store in cool well ventilated space away from incompatible materials.

HYGIENIC PRACTICES: General industrial hygiene practice. Wash hands before eating, drinking, or smoking. When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

WORK PRACTICES: Put on appropriate personal protective equipment. Wash hands after handling chemicals and before eating, drinking, or smoking. Read and understand entire SDS before handling chemical.

SPECIAL HANDLING PROCEDURES: Put on appropriate personal protective equipment. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

8. Exposure controls/personal protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA CEILING</u>
STYRENE MONOMER	20 ppm	40 ppm	100 ppm	200 ppm
METHYL METHACRYLATE	50 ppm	100 ppm	100 ppm	N.E.
LIGHT AROMATIC NAPHTHA	N.E.	N.E.	N.E.	N.E.
ETHYLENE GLYCOL	25 ppm	50 ppm	N.E.	N.E.
CARBON BLACK	3 mg/m ³	N.E.	3.5 mg/m ³	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary.



SKIN PROTECTION: Wear suitable protective equipment. Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.



EYE PROTECTION: Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses with side-shields. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.



OTHER PROTECTIVE EQUIPMENT: Use good hygiene practices. Wash face and hands before eating, drinking, and smoking. Eye wash and safety showers should be readily available.



HYGIENIC PRACTICES: General industrial hygiene practice. Wash hands before eating, drinking, or smoking. When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

9. Physical and chemical properties

Color:	Black	Physical State:	Liquid
Odor:	Moderate aromatic	Odor Threshold:	Not Available
Density, g/cm ³ :	1.084	pH:	Not Available
Freeze Point, °C:	Not Available	Viscosity:	Not Available
Solubility in Water:	Insoluble	Partition Coefficient, n-octanol/ water:	Not Available
Decomposition Temp., °C:	Not Available	Flash Point, °C / F°	28 / 82
Boiling Range, °C:	100	Explosive Limits, vol%:	Not Available
Vapor Pressure:	Not Available	Auto-ignition Temp., °C:	Not Available

(See "Other information" Section for abbreviation legend)

10. Stability and reactivity

STABILITY: Stable under normal conditions. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerise with heat evolution.

CONDITIONS TO AVOID: Keep product away from heat, sparks, pilot lights, static electricity, and open flame. Avoid improper addition of promotor and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If adding accelerator like cobalt drier, mix accelerator with base material before adding catalyst. Burning may produce obnoxious and toxic fumes. Hazardous polymerization may occur.

INCOMPATIBILITY: Strong oxidizing and reducing agents. Strong acids. Free radical initiators. Copper. Metal salts.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use.

11. Toxicological information



Practical Experiences

EFFECT OF OVEREXPOSURE - EYE CONTACT: Exposure may cause mild irritation. Symptoms may include stinging, tearing, and redness.

EFFECT OF OVEREXPOSURE - INGESTION: May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Prolonged, repeated or high exposures may cause central nervous system depression leading to headaches, nausea, drowsiness, dizziness, and possibly narcosis. In extreme cases, may cause loss of consciousness. Ingestion of large doses may cause headaches, dizziness, nausea, vomiting, and drowsiness. Irritating to skin.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Prolonged skin contact may defat the skin and produce dermatitis.

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated or prolonged exposure may cause central nervous system

damage. Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure may cause liver and kidney effects.

CARCINOGENICITY: This product contains styrene classified by the International Agency for Research on Cancer (IARC) as 2A carcinogen.

This product contains styrene, which is listed in the NTP report on carcinogens.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
100-42-5	STYRENE MONOMER	1000 mg/kg Rat	N.I.	11.7 mg/L Rat
80-62-6	METHYL METHACRYLATE	8420 - 10000 mg/kg Rat	5000 - 7500 mg/kg Rabbit	78000 mg/l Rat
64742-95-6	LIGHT AROMATIC NAPHTHA	8400 mg/kg Rat	>2000 mg/kg Rabbit	N.I.
107-21-1	ETHYLENE GLYCOL	4700 mg/kg Rat	10600 mg/kg Rat	N.I.
1333-86-4	CARBON BLACK	>15400 mg/kg Rat	N.I.	N.I.

N.I. = No Information

12. Ecological information

ECOLOGICAL INFORMATION: Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits. Discharge into the environment must be avoided.

13. Disposal considerations



DISPOSAL METHOD: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

14. Transport information

SPECIAL TRANSPORT PRECAUTIONS: No Information

International transport regulations

Regulatory Information:	UN/NA Number	Proper Shipping Name	Classes/ *PG	Reportable Quantity (RQ)
CFR	UN1866	RESIN SOLUTION	Class 3 PGIII	
IMO/IMDG	UN1866	RESIN SOLUTION	Class 3 PGIII	
IATA	UN1866	RESIN SOLUTION	Class 3 PGIII	

15. Regulatory information

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: This product contains a chemical known to the state of California to cause cancer.

<u>Chemical Name</u>	<u>CAS-No.</u>
STYRENE MONOMER	100-42-5
CARBON BLACK	1333-86-4
ETHYLBENZENE	100-41-4

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

<u>Chemical Name</u>	<u>CAS-No.</u>
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International Regulations

Chemical Inventories	Australia inventory (AICS)	All components are listed or exempted
	Canada inventory (DSL)	Not listed
	Canada inventory (NDSL)	Not listed
	Japan Inventory (ENCSC)	Not listed
	China Inventory (IECSC)	Not listed
	Korea Inventory (KECI)	Not listed
	New Zealand (NZIoC)	All components are listed or exempted
	Philippines (PICCS)	Not listed
	United States Inventory (TSCA 8b)	All components are listed or exempted

16. Other information

Revision Date: 6/14/2018 **Supersedes Date:** 6/1/2018
Reason for revision: Updated SDS Information
Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2*	Flammability:	3	Reactivity:	2	Personal Protection:	N.I.	Chronic Rating:	*
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This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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