West & Senior Limited
Milltown Street • Radcliffe • Manchester • M26 1WE • United Kingdom
Tel +44 (0) 161 724 7131 • Fax +44 (0) 161 724 9519
http://www.westsenior.co.uk • info@westsenior.co.uk

SAFETY DATA SHEET
PEPU BLACK PIGMENT

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name PEPU BLACK PIGMENT

Product number WS36643A

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

Identified uses Colouring of PU systems for CASE applications.

1.3. Details of the supplier of the safety data sheet

Supplier WEST AND SENIOR LIMITED.
MILLTOWN STREET
RADCLIFFE
MANCHESTER. M26 1WE.
TEL + 44 01617247131
FAX + 44 01617249519
info@westsenior.co.uk

1.4. Emergency telephone number

Emergency telephone 24 HOUR EMERGENCY TELEPHONE NUMBER : + 44 (0) 7930 595916

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PEPU BLACK PIGMENT

CARBON BLACK		10-30%
CAS number: 1333-86-4	EC number: 215-609-9	REACH registration number: 01-2119384822-32-0000

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments No other disclosure required under the latest EC Directives

SECTION 4: First aid measures

4.1. Description of first aid measures

General information No specific recommendations. If in doubt, get medical attention promptly.

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information No specific symptoms noted.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific symptoms noted. No specific antedote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Alcohol-resistant foam. Water spray, fog or mist. Carbon dioxide (CO2). Small fires: Dry chemicals, soda ash, lime.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Hazardous combustion products During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

PEPU BLACK PIGMENT

Protective actions during firefighting Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protectet location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discolouration of the container. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing water to potect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off , if not contaminated may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

CARBON BLACK

PEPU BLACK PIGMENT

Argentina 3.5, TWA
Australia 3.0, TWA, inhalable
Belgium 3.6, TWA
Brazil 3.5, TWA
Canada (Ontario) 3.0 TWA, inhalable
China 4.0, TWA 8.0, TWA, STEL (15 min)
Colombia 3.0, TWA, inhalable
Czech Republic 2.0, TWA
Egypt 3.5, TWA
Finland 3.5, TWA; 7.0, STEL
France – INRS 3.5, TWA/VME inhalable
Germany – BeKGS527 0.5, TWA, respirable; 2.0, TWA, inhalable (DNEL values)
Hong Kong 3.5, TWA
Indonesia 3.5, TWA/NABs
Ireland 3.5, TWA; 7.0, STEL
Italy 3.5, TWA, inhalable
Japan – MHLW 3.0
Japan – SOH 4.0, TWA; 1.0, TWA, respirable
Korea 3.5, TWA
Malaysia 3.5, TWA
Mexico 3.5, TWA
Russia 4.0, TWA
Spain 3.5, TWA (VLA-ED)
Sweden 3.0, TWA
United Kingdom 3.5, TWA, inhalable; 7.0, STEL, inhalable
EU REACH DNEL 2.0, TWA, inhalable; 0.5, TWA respirable
United States 3.5, TWA, OSHA-PEL
3.0, TWA, ACGIH-TLV®, inhalable
3.5, TWA, NIOSH-REL

Ingredient comments No exposure limits known for ingredient(s).

POLYETHER POLYOL (CAS: 9082-00-2)

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

Appropriate engineering controls No specific ventilation requirements.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

PEPU BLACK PIGMENT

Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Coloured paste.
Colour	Variable
Odour	Sweetish.
Odour threshold	No information available.
pH	Not applicable.
Melting point	No information available.
Initial boiling point and range	>100°C @ 760 mm Hg Estimated value.
Flash point	>182°C Closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	No
Oxidising properties	No
Comments	None

9.2. Other information

PEPU BLACK PIGMENT

Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidising agents. Avoid contact with the following materials: Water, moisture.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. The reaction of polyols and isocyanates generates heat. Isocyanates.

10.6. Hazardous decomposition products

Hazardous decomposition products Decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition or combustion products may include the following substances: Aldehydes. Ketones. Acids - organic. Polymer fragments.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not classified.

Acute and chronic health hazards No specific health hazards known.

Toxicological information on ingredients.

CARBON BLACK

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} >8000 mg/kg, Oral, Rat

Germ cell mutagenicity

Summary In vivo mutagenicity in rats occurs by mechanisms secondary to a threshold effect and is a consequence of “lung overload,” which leads to chronic inflammation and the release of genotoxic oxygen species. This mechanism is considered to be a secondary genotoxic effect and, thus, carbon black itself would not be considered to be mutagenic.

Genotoxicity - in vitro Carbon black is not suitable to be tested directly in bacterial (Ames test) and other in vitro systems because of its insolubility. However, when organic solvent extracts of carbon black have been tested, results showed no mutagenic effects. Organic solvent extracts of carbon black can contain traces of polycyclic aromatic hydrocarbons (PAHs). A study to examine the bioavailability of these PAHs showed that they are very tightly bound to carbon black and are not bioavailable (Borm, 2005).

PEPU BLACK PIGMENT

Genotoxicity - in vivo In an experimental investigation, mutational changes in the hprt ene were reported in alveolar epithelial cells in the rat following inhalation exposure to carbon black (Driscoll, 1997). This observation is considered to be rat-specific and a consequence of “lung overload,” which leads to chronic inflammation and release of reactive oxygen species. This is considered to be a secondary genotoxic effect and, thus, carbon black itself would not be considered to be mutagenic.

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility Not considered mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

PEPU BLACK PIGMENT

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Guidance A guide to local exhaust ventilation (LEV) HSG258 (as ammended)
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 29/05/2019

Revision 3

Supersedes date 23/03/2017