



ACCORDING TO US CFR 1910.1200

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name 97036, 97038, 97040, 97042 Graphite Pencil
CAS No. Not applicable.

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

Identified Use(s) Drawing/ Sketching.
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification Acco UK Ltd.
Oxford House, Oxford Road,
Aylesbury, Bucks,
HP21 8SZ.
Telephone +44 (0) 844 209 8360
Fax +44 (0) 845 603 1731
E-mail informationeurope@acco.com
Website www.acco.co.uk
Office hours 09:00 - 17:00

1.4 Emergency telephone number

Company +44 (0) 844 209 8360 (09:00 - 17:00)

2. SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

US CFR 1910.1200 Not classified as dangerous for supply/use.

2.2 Label elements

According to US CFR 1910.1200
Product Name 97036, 97038, 97040, 97042 Graphite Pencil
Hazard Pictogram(s) None.
Signal Word(s) None.
Hazard Statement(s) None.
Precautionary Statement(s) None.

2.3 Other hazards

Sharp edges may cause cuts.

2.4 Additional Information

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Articles for printing and writing: 97036, 97038, 97040, 97042 Graphite Pencil

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Talc (Mg ₃ H ₂ (sio ₃) ₄)	14807-96-6	25-35	Not classified	
Kaolin	1332-58-7	20-30	Not classified	
Zinc distearate	557-05-1	10-15	Not classified	
Graphite	7782-42-5	5-10	Not classified	

For full text of H/P Statements see section 16.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Unlikely route of exposure.
 Skin Contact Not normally required. Wash skin with water.
 Eye Contact If contact with eyes directly, flush with gently flowing fresh water thoroughly.
 Ingestion Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

No special requirements.

5. SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media None known.

5.2 Special hazards arising from the substance or mixture

None anticipated.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Not normally required.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Collect mechanically and dispose of according to Section 13.

6.4 Reference to other sections

See Also Section 8, 13.



7. SECTION 7: HANDLING AND STORAGE

No hazard expected under normal conditions of use.

7.1 Precautions for safe handling

No special precautions are required for this product.
Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient.
Storage life Indefinite.
Incompatible materials None known.

7.3 Specific end use(s)

Drawing/ Sketching.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Kaolin	1332-58-7			2		ACGIH TLV, E, R, A4
Kaolin (Total dust)	1332-58-7			15		OSHA PEL Z-1
Kaolin (Respirable fraction)	1332-58-7			5		OSHA PEL Z-1
Kaolin (Total dust)	1332-58-7			10		NIOSH REL Z-1
Kaolin (Respirable fraction)	1332-58-7			5		NIOSH REL Z-1
Silicates (less than 1% crystalline silica):Talc (not containing asbestos)	14807-96-6	20				OSHA PEL_Table Z-3, mppcf, (i)
Silicates (less than 1% crystalline silica):Talc (containing asbestos)	14807-96-6					OSHA PEL_Table Z-3, Use asbestos limit
Silicates (less than 1% crystalline silica): Talc (not containing asbestos)	14807-96-6			2		CAL-OSHA PEL_Table Z-3, resp.
Silicates (less than 1% crystalline silica): Talc (containing asbestos)	14807-96-6					CAL-OSHA PEL_Table Z-3, See Section 5208
Silicates (less than 1% crystalline silica):Talc (not containing asbestos)	14807-96-6	20				OSHA PEL_Table Z-3, mppcf, (i)
Silicates (less than 1% crystalline silica):Talc (containing asbestos)	14807-96-6					OSHA PEL_Table Z-3, Use asbestos limit
Silicates (less than 1% crystalline silica): Talc (not containing asbestos)	14807-96-6			2		NIOSH REL Z-3, resp.



Silicates (less than 1% crystalline silica): Talc (containing asbestos)	14807-96-6		0.1		NIOSH REL Z-3, f/cc, Ca
Talc: Containing asbestos fibers	14807-96-6		0.1		ACGIH TLV, f/cc, F, K, A1
Soapstone, total dust	14807-96-6		6		OSHA PEL
Zinc stearate (total dust)	557-05-1		15		OSHA PEL Z-1
Zinc stearate (Respirable fraction)	557-05-1		5		OSHA PEL Z-1
Zinc stearate	557-05-1		10		OSHA PEL
Zinc stearate (total dust)	557-05-1		10		NIOSH REL Z-1
Zinc stearate (Respirable fraction)	557-05-1		5		NIOSH REL Z-1
Graphite (Natural)	7782-42-5	15			OSHA PEL_Table Z-3, mppcf
Graphite (Natural)	7782-42-5		2.5		CAL-OSHA PEL_Table Z-3, resp.
Graphite (Natural)	7782-42-5	15			OSHA PEL_Table Z-3, mppcf
Graphite (Natural)	7782-42-5		2.5		NIOSH REL Z-3, resp.
Graphite (all forms except graphite fibers)	7782-42-5		2		ACGIH TLV, R
Graphite, synthetic (Total dust)	7782-42-5		15		OSHA PEL Z-1
Graphite, synthetic (Respirable fraction)	7782-42-5		5		OSHA PEL Z-1
Graphite, synthetic (Respirable fraction)	7782-42-5		5		OSHA PEL, (n)
Graphite, natural respirable dust	7782-42-5		2.5		OSHA PEL
Graphite, synthetic (Total dust)	7782-42-5		10		OSHA PEL

Remark	Note
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®)
E	Particulate matter containing no asbestos and <1% crystalline silica
R	Respirable particulate matter
A4	Not Classifiable as a Human Carcinogen
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week
OSHA PEL_Table Z-3	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs) Table Z-3 Mineral Dusts.
mppcf	Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. Conversion factors - mppcf × 35.3 = million particles per cubic meter = particles per c.c.
(i)	Containing less than 1% quartz; if 1% quartz or more, use quartz limit.
CAL-OSHA PEL_Table Z-3	California Division of Occupational Safety and Health (CAL-OSHA) Permissible Exposure Limits (PELs) Table Z-3 Mineral Dusts.
resp.	Respirable

NIOSH REL Z-3 National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-3: Up to 10-hour time weighted average (TWA) during a 40-hour work week

f/cc Fibres per Cubic Centimetre

Ca Potential occupational carcinogens. See NIOSH Appendix A <http://www.cdc.gov/niosh/npg/nengapdx.html>

F Respirable fibers

K Should not exceed 2 mg/m³ respirable particulate mass

A1 Confirmed Human Carcinogen

OSHA PEL Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).

(n) The concentration and percentage of the particulate used for this limit are determined from the fraction passing a size selector with the following characteristics: (aerodynamic Diameter (µm)/% Passing Selector): 0/100; 1/97; 2/91; 3/74; 4/50; 5/30; 6/17; 7/9; 8/5; 10/1.

8.2 Appropriate engineering controls Ensure adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)



Eye Protection Not normally required.



Skin protection Not normally required.



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards Not applicable.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid.
	Colour : Black.
Odor	Odorless.
Odor threshold	Not established.
pH	Not applicable.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	Not applicable.



Vapor density	Not applicable.
Density (g/ml)	Not applicable.
Relative density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Kinematic Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

No hazard expected under normal conditions of use.

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

This material is unlikely to present a significant health hazard under normal conditions of handling and use.

11.1 Information on toxicological effects

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Unlikely to cause skin irritation.
Serious eye damage/irritation	Unlikely to cause eye irritation.
Skin sensitization data	It is not a skin sensitizer.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

11.2 Other information

None.

**12. SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Low toxicity to aquatic organisms.

12.2 Persistence and Degradation

The product is unlikely to persist in the environment.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

12.4 Mobility in soil

The product is essentially insoluble in water.

12.5 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not applicable.

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

Not applicable.

15. SECTION 15: REGULATORY INFORMATION**15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z) Listed : 1332-58-7, 14807-96-6, 557-05-1, 7782-42-5

National emission standards for hazardous air pollutants (40 CFR 61.01) Not listed

SARA Title III Section 313 Not listed

TSCA (Toxic Substance Control Act) Listed : 1332-58-7, 14807-96-6, 557-05-1, 7782-42-5

CAA 602 - Ozone Depleting Substances (ODS) Not listed

**15.2 US State Regulations**

State Right to Know Lists

Proposition 65 (California)	Not listed
Minnesota	Listed : 1332-58-7, 14807-96-6, 557-05-1, 7782-42-5
New Jersey	Listed : 1332-58-7, 14807-96-6, 557-05-1, 7782-42-5
Pennsylvania	Listed : 1332-58-7, 14807-96-6, 557-05-1, 7782-42-5
Rhode Island	Listed : 1332-58-7, 14807-96-6, 557-05-1, 7782-42-5

15.3 Other

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Not listed
IARC (International Agency for Research on Cancer)	Listed : 14807-96-6

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.
Acronyms	CAS : Chemical Abstracts Service LTEL : Long term exposure limit STEL : Short term exposure limit STOT : Specific Target Organ Toxicity

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