

Table 5-2: Imported Fill Screening Values

Determinant	Screening Criteria (mg/kg)	Source		Determinant	Screening Criteria (mg/kg)	Source
TPH Aliphatic C ₅ – C ₆	42	LQM S4UL		Acenaphthylene	5.0	Professional judgement ⁶
TPH Aliphatic C ₆ – C ₈	100	LQM S4UL		Acenaphthene	5.0	Professional judgement ⁶
TPH Aliphatic C ₈ – C ₁₀	27	LQM S4UL		Anthracene	5.0	Professional judgement ⁶
TPH Aliphatic C ₁₀ – C ₁₂	130	LQM S4UL		Benzo(a)anthracene	5.0	Professional judgement ⁶
TPH Aliphatic C ₁₂ – C ₁₆	250	Professional judgement ¹		Benzo(a)pyrene	5.0	Defra C4SL ⁴
TPH Aliphatic C ₁₆ – C ₂₁	250	Professional judgement ¹		Benzo(b)fluoranthene	2.6	LQM S4UL
TPH Aliphatic C ₂₁ – C ₃₅	250	Professional judgement ¹		Benzo(k)fluoranthene	5.0	Professional judgement ⁶
TPH Aromatic C ₅ – C ₇	0.87	Professional judgement ⁶		Benzo(g,h,i)perylene	5.0	Professional judgement ⁶
TPH Aromatic C ₇ – C ₈	130	LQM S4UL		Chrysene	5.0	Professional judgement ⁶
TPH Aromatic C ₈ – C ₁₀	34	LQM S4UL		Dibenzo(a,h)anthracene	0.24	LQM S4UL
TPH Aromatic C ₁₀ – C ₁₂	74	LQM S4UL		Fluoranthene	5.0	Professional judgement ⁶
TPH Aromatic C ₁₂ – C ₁₆	140	Professional judgement ¹		Fluorene	5.0	Professional judgement ⁶
TPH Aromatic C ₁₆ – C ₂₁	260	Professional judgement ¹		Indeno(1,2,3,c-d)pyrene	5.0	Professional judgement ⁶
TPH Aromatic C ₂₁ – C ₃₅		Professional judgement ¹		Naphthalene	2.3	LQM S4UL
				Pyrene	5.0	Professional judgement ⁶
Arsenic	37	Defra C4SL ⁴		Phenanthrene	5.0	Professional judgement ⁶
Cadmium	26	Defra C4SL ⁴				
Chromium	910 ²	LQM S4UL		Nickel	pH dependent	Refer to Table 5.2
Mercury	40 ³	LQM S4UL		Selenium	250	LQM S4UL
Lead	200	Defra C4SL ⁴		Benzene	0.87	Defra C4SL ⁴
Copper	pH dependent	Refer to Table 5.2		Toluene	130	LQM S4UL
Zinc	pH dependent	Refer to Table 5.2		Ethylbenzene	47	LQM S4UL
asbestos	None present	CIRIA C733		Xylene	56 ⁵	LQM S4UL

LQM S4UL selected for organics based on 1% SOM for conservatism

1 Professional judgement – conservative value selected, less than LQM S4UL

2 Based on LQM S4UL for chromium III, assumes no chromium VI is likely to be present

- 3 Based on LQM S4UL for inorganic mercury, assumes that no elemental or methyl mercury is likely to be present
- 4 defra category 4 screening value
- 5 Based on LQM S4UL for p-xylene for conservatism
- 6 Professional judgment – cannot be classified as contaminated land under Part IIA

Table 5.3: Imported Fill Screening Values- phytotoxic metals

Determinant	Screening Criteria (mg/kg)			Source
	pH <6	pH 6-7	pH >7	
Copper (nitric acid extractable)	<100	<135	<200	BS 3882:2015 and BS 8601:2013
Nickel (nitric acid extractable)	<60	<75	<110	BS 3882:2015 and BS 8601:2013
Zinc (nitric acid extractable)	<200	<200	<300	BS 3882:2015 and BS 8601:2013

5.2 Verification Capping Placement and Reporting

5.2.1 Following placement of the capping layer, hand excavated trial pits will need to be undertaken at a ratio of 1 in 3 plots of the rear garden areas to confirm that a suitable capping layer thickness has been placed. Furthermore excavated trial pits at a suitable frequency within PoS areas will need to be undertaken. From these hand excavated trial pits, the following pieces of evidence will need to be gathered and included in the verification report:

- Photographs, and records of the locations, of each hand excavated trial pit in each plot.
- Photographs of a tape measure against the capping layer in each hand excavated trial pit to confirm whether it is the correct thickness.
- Chemical testing records of all imported capping layer materials.

5.3 Gas Membrane Verification

5.3.1 The risk of ground gas is subject to the further ground investigation as detailed in Section 3.9. Gas protection measures would be addressed following this.

5.3.2 If gas protection measures are required, the following would need to be implemented:

- All testing and verification of the membrane shall be in accordance with the good practice guide Table A3 given in CIRIA C735. Following the completion of all the installation work and integrity testing (where appropriate), all records of work undertaken, photographs, Certificates of Conformity, and copies of the CSWIP Approval Certificates for all relevant installation welders, shall be provided to JNP Group for inclusion in the Verification Plan.
- A photographic record of the installation work shall be kept by the installer. In addition, appropriate records of all the Integrity Testing (if appropriate) undertaken shall be produced by the installer.
- Independent verification of the gas membranes in all properties shall be undertaken by an appropriate third party in accordance with Ciria C735. Following completion of the validation, copies of the validation report / certificates shall be submitted to JNP Group for inclusion in the Verification Report.

5.4 Verification Reporting

- 5.4.1 Following the completion of the remediation works all records of works undertaken (including drawings and photographs), capping depth validations, gas membrane certificates of conformity, duty of care certificates and imported soil chemical testing certificates shall be provided to JNP Group.
- 5.4.2 Following the completion of the remediation works a verification report shall be produced by JNP Group that details the remediation work undertaken, the validation testing undertaken, and the details of any material removed from or brought to the site.
- 5.4.3 It is recommended that a copy of this report is submitted to the regulatory authorities for their approval.

5.5 Recommendations

- 5.5.1 It is recommended that a copy of this options appraisal and remediation strategy be submitted to the Regulatory Authorities for their approval.

6 REFERENCES

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- 2 BS 5930:1999. Code of practice for site investigations. British Standards Institution. London.
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- 24 TPH Criteria Working Group: 1997: Total Petroleum Hydrocarbon Group Series. Volume 3. Selection of Representative TPH Fractions Based on Fate and Transport Considerations.
- 25 Wilson S, Card G and Haines S.2008. Ground Gas Handbook. Dunbeath. Whittles Publishing.
- 26 Yorkshire and Humberside Pollution Advisory Council. Version 3.1 October 2014. Verification Requirements for Cover Systems. Technical Guidance for Developers, Landowners and Consultants.

Appendix A Limitations



1 INTRODUCTION

- 1.1.1 This report is confidential and has been prepared solely for the benefit of the client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from JNP Group; a charge may be levied against such approval. JNP Group accepts no responsibility or liability for the consequences of this document being used for any purpose or project other than for which it was commissioned, and: this document to any third party with whom an agreement has not been executed.
- 1.1.2 Any comments given within this report are based on the understanding that the proposed works to be undertaken will be as described in the introduction and the information referred to and provided by others and will be assumed to be correct and will not have been checked by JNP Group and JNP Group will not accept any liability or responsibility for any inaccuracy in such information.
- 1.1.3 Any deviation from the recommendations or conclusions contained in this report should be referred to JNP Group in writing for comment and JNP Group reserve the right to reconsider their recommendations and conclusions contained within. JNP Group will not accept any liability or responsibility for any changes or deviations from the recommendations noted in this report without prior consultation and our full approval.
- 1.1.4 The details contained within this report reflect the site conditions prevailing at the time of investigation. JNP Group warrants the accuracy of this report up to and including that date. Additional information, improved practice or changes in legislation may necessitate this report having to be reviewed in whole or in part after that date. If necessary, this report should be referred back to JNP Group for re-assessment and, if necessary, re-appraisal.
- 1.1.5 This report is only valid when used in its entirety. Any information or advice included in the report should not be relied upon until considered in the context of the whole report. Whilst this report and the opinion made herein are correct to the best of JNP Groups' belief, JNP Group cannot guarantee the accuracy or completeness of any information provided by third parties.
- 1.1.6 The report represents the finding and opinions of experience geotechnical and geoenvironmental engineers. JNP Group does not provide legal advice and the advice of lawyers may also be required.
- 1.1.7 JNP Group has provided advice and made recommendations based on the findings of the work undertaken, however this is subject to the approval / acceptance by the relevant regulatory authorities.

1.2 Objectives

- 1.2.1 The work undertaken to provide the basis of this report comprised a study of available documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the site. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only to the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, JNP Group reserves the right

to review such information and, if warranted, to modify the opinions accordingly. It should be noted that any risks identified in this report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site.

1.3 Gas Membranes

- 1.3.1** Where JNP Group are commissioned to undertake the inspection and validation of a gas membrane, we, at the time of inspection, will ensure that the membrane is laid in accordance with the relevant arrangements and sections. At that time we will ensure that the venting media is laid correctly in preparation of the membrane and we will ensure that any tears in the membrane or bad workmanship is reported and instructions given to be rectified. Thereafter it is the duty of the Principal Contractor to ensure that tears and defects are rectified.

1.4 Remediation and Verification Reports Limitations

- 1.4.1** The risk assessment and opinions provided, inter alia, take into consideration currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values.
- 1.4.2** Where intrusive investigations have been undertaken they have been designed to provide a reasonable level of assurance on the conditions. Given the discrete nature sampling, no investigation technique is capable of identifying all conditions present in all areas. The number of sampling points and the methods of sampling and testing do not preclude the existence of localised “hotspots” of contamination where concentrations may be significantly higher than those actually encountered.
- 1.4.3** If costs have been included in relation to the site remediation these must be confirmed by a qualified quantity surveyor. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only to the purpose for which the report was commissioned. The information reviewed from Third Party should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, JNP Group reserves the right to review such information and, if warranted, to modify the opinions accordingly.
- 1.4.4** Whilst this report and the opinion made herein are correct to the best of JNP Groups’ belief, JNP Group cannot guarantee the accuracy or completeness of any information provided by third parties.
- 1.4.5** Gas and groundwater levels may vary from those reported due to seasonal, or other effects.

Appendix B Remediation Plan





- KEY:**
- 1800mm BRICK WALL
 - 1800mm TIMBER FENCE
 - PIER & PANEL FENCING
 - 1200mm HIGH BLACK ESTATE RAILING
 - TIMBER KNEE RAIL FENCE
 - INDICATIVE EXTENT OF CRIBBLOCK WALL, SUBJECT TO ENGINEERING REVIEW
 - MASONRY RETAINING WALL AND FENCE
 - AFFORDABLE
 - GATE
 - BIN COLLECTION POINT CONSISTING OF 1NO. 900x900mm CONCRETE PAVING SLAB PER BIN
 - BLOCK PAVING
 - TARMAC PRIVATE DRIVE
 - TRAFFIC CALMING TO BE AGREED THROUGH SECTION 38 PROCESS.
 - VISITOR PARKING BAY
 - INDICATIVE BANKING, GRADIENT SHOWN ON ENGINEERING LAYOUT
 - EXISTING HEDGE ROW RETAINED
 - EXISTING HEDGE ROW TO BE CUT BACK / REMOVED
 - EXISTING HEDGE ROW
 - EXISTING TREES
 - EXISTING TREES TO BE REMOVED

- Notes**
1. Do not scale from this drawing. All dimensions must be checked on site prior to the commencement of any fabrication or building works. Where applicable, dimensions and details are to be read in conjunction with specialist consultants' drawings and/or other specifications; any disparity is to be brought to the attention of the office & clarification sought before proceeding.
 2. Any dimensions shown on this drawing are in (millimetres/metres)

House Type		Allocation PLUS		
GIFA		#	SQFT	%
HADLEIGH (HA)	772	4	3088	4.7%
BAMBURGH (BA)	893	4	3572	4.7%
TOTAL AFFORDABLE HOUSING		8	6660	9.3%
BAMBURGH (BA)	893	6	5358	7.0%
ALDERTON (AD)	866	9	7794	10.5%
BAYBRIDGE (BB)	1068	9	9612	10.5%
BIRKWITH (BW)	1102	8	8816	9.3%
NIDDERDALE (ND)	1160	11	12760	12.8%
WINDSOR (WD)	1247	11	13717	12.8%
SETTLE V1 (SE)	1335	6	8010	7.0%
TONBRIDGE (TO)	1391	6	8346	7.0%
SALCOMBE (SA)	1534	5	7670	5.8%
WARKWORTH (WA)	1587	5	7935	5.8%
PORTCHESTER (PO)	1622	2	3244	2.3%
TOTAL OPEN MARKET		78	93262	90.7%
GRAND TOTAL		86	99922	100.0%

GROSS SITE AREA		8.764	Acre
NETT SITE AREA		6.554	Acre
Sq Ft / NETT Acre		15,245	sq ft/acre

REV: C DATE: 02.03.21 DRAWN: JB [CHECKED: ##]

NEW SUB STATION ADDED TO PRIVATE DRIVE BETWEEN PLOTS 75 & 78

REV: B DATE: 07.05.21 DRAWN: JB [CHECKED: ##]

ROAD AMENDED TO FRONT OF PLOTS 51 & 66. PLOTS 63-66 POSITIONS ADJUSTED. TURNING HEAD ADDED TO PRIVATE DRIVE SERVING PLOTS 12-15. BASINS ADDED IN LINE WITH ENGINEERS PROPOSALS.

REV: A DATE: 18.04.21 DRAWN: JB [CHECKED: ##]

FW SEWER & EASEMENT ADJUSTED IN LINE WITH FULL UTILITY SURVEY RECEIVED.

Revisions

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Unit 1 Cliffe Park
Bruntcliffe Road
Morley
Leeds
LS27 0RY

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Status: PLANNING

Project: GREAT HOUGHTON

Title: PROPOSED SITE LAYOUT

Drawn: JB Date: 01.04.21

Checked: Scale @ A1:1:500

Job no: 563 Drg No: PL-01 Rev: C

Appendix C Hazardous Waste Assessment



Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



624R3-G9B64-DFK5X

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in **pale yellow**.

Job name

Manor Farm, Great Houghton

Description/Comments

Max concentrations added. LOD entered at LOD concentration for conservatism.

Project

S11400

Site

Manor Farm, Great Houghton

Classified by

Name:
Hilary Ilesley
Date:
18 Jun 2021 10:08 GMT
Telephone:
01926 889955

Company:
JNP Group
Mitaka House
4-12 Morton Street
Leamington Spa
CV32 5SY

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

Course
Hazardous Waste Classification

Date

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	Site Maximums		Potentially Hazardous	HP 3(i)	2

Related documents

#	Name	Description
1	Standard Suite with modified species	waste stream template used to create this Job

Report

Created by: Hilary Ilesley

Created date: 18 Jun 2021 10:08 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	4
Appendix B: Rationale for selection of metal species	5
Appendix C: Version	5

Classification of sample: Site Maximums

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
Site Maximums	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry: 17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0226%)

Determinands

Moisture content: **0% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				20	mg/kg	1.32	26.407	mg/kg	0.00264 %		
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				1.8	mg/kg	2.775	4.996	mg/kg	0.0005 %		
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide; boric oxide }				4.8	mg/kg	3.22	15.455	mg/kg	0.00155 %		
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium sulfide }			1	0.72	mg/kg	1.285	0.925	mg/kg	0.000072 %		
	048-010-00-4	215-147-8	1306-23-6									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				51	mg/kg	1.462	74.539	mg/kg	0.00745 %		
		215-160-9	1308-38-9									
6	copper { copper sulphate pentahydrate }				140	mg/kg	3.929	550.067	mg/kg	0.055 %		
	029-023-00-4	231-847-6	7758-99-8									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	85	mg/kg		85	mg/kg	0.0085 %		
	082-001-00-6											
8	mercury { mercury dichloride }				0.28	mg/kg	1.353	0.379	mg/kg	0.0000379 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel sulfate }				35	mg/kg	2.637	92.284	mg/kg	0.00923 %		
	028-009-00-5	232-104-9	7786-81-4									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.49	mg/kg	1.405	0.688	mg/kg	0.0000688 %		
	034-002-00-8											
11	vanadium { divanadium pentaoxide; vanadium pentoxide }				35	mg/kg	1.785	62.481	mg/kg	0.00625 %		
	023-001-00-8	215-239-8	1314-62-1									
12	zinc { zinc sulphate }				110	mg/kg	2.469	271.623	mg/kg	0.0272 %		
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
13	naphthalene				0.88 mg/kg		0.88 mg/kg	0.000088 %		
	601-052-00-2	202-049-5	91-20-3							
14	acenaphthylene				0.53 mg/kg		0.53 mg/kg	0.000053 %		
		205-917-1	208-96-8							
15	acenaphthene				0.93 mg/kg		0.93 mg/kg	0.000093 %		
		201-469-6	83-32-9							
16	fluorene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		201-695-5	86-73-7							
17	phenanthrene				19 mg/kg		19 mg/kg	0.0019 %		
		201-581-5	85-01-8							
18	anthracene				5.1 mg/kg		5.1 mg/kg	0.00051 %		
		204-371-1	120-12-7							
19	fluoranthene				31 mg/kg		31 mg/kg	0.0031 %		
		205-912-4	206-44-0							
20	pyrene				31 mg/kg		31 mg/kg	0.0031 %		
		204-927-3	129-00-0							
21	benzo[a]anthracene				13 mg/kg		13 mg/kg	0.0013 %		
	601-033-00-9	200-280-6	56-55-3							
22	chrysene				14 mg/kg		14 mg/kg	0.0014 %		
	601-048-00-0	205-923-4	218-01-9							
23	benzo[k]fluoranthene				7.9 mg/kg		7.9 mg/kg	0.00079 %		
	601-036-00-5	205-916-6	207-08-9							
24	benzo[a]pyrene; benzo[def]chrysene				14 mg/kg		14 mg/kg	0.0014 %		
	601-032-00-3	200-028-5	50-32-8							
25	dibenz[a,h]anthracene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
	601-041-00-2	200-181-8	53-70-3							
26	benzo[ghi]perylene				9.8 mg/kg		9.8 mg/kg	0.00098 %		
		205-883-8	191-24-2							
27	indeno[123-cd]pyrene				11 mg/kg		11 mg/kg	0.0011 %		
		205-893-2	193-39-5							
28	TPH (C6 to C40) petroleum group				226 mg/kg		226 mg/kg	0.0226 %		
			TPH							
29	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.157 %		

Key

- User supplied data
- Potentially Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Appendix A: Classifier defined and non CLP determinands

chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

lead compounds with the exception of those specified elsewhere in this Annex (worst case)

CLP index number: 082-001-00-6

Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 1A H350

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410