

Illumitex® Decorative Flakes - All Colours

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

1.1 Product Identifier

Product form:..... Mixture
Product name:..... Decorative Flakes - All Colours
Type of product:..... Illumitex Flake
Product group:..... Blend

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Pittaway Special Coatings Ltd.

106-114 Flinton Street
Hull HU3 4NA
England

T: +44 01482 329007
E: info@illumitex.co.uk

1.4. Emergency telephone number

Emergency number: +44 01482 329007

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium Magnesium Carbonate – Mic 0-0.5 substance with national workplace exposure limit(s) (GB)	CAS-No.: 16389-88-1 EC-No.: 240-440-2	$\geq 10 - < 30$	Not classified
Calcium Magnesium Silicate substance with national workplace exposure limit(s) (GB)	CAS-No.: 14807-96-6 EC-No.: 238-877-9	$\geq 10 - < 30$	Not classified
Barium Sulphate substance with national workplace exposure limit(s) (CZ, GB, SK); substance with a Community workplace exposure limit	CAS-No.: 7727-43-7 EC-No.: 231-784-4 REACH-no: 1-2119491274-35	$\geq 10 - < 30$	Not classified
Titanium Dioxide substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 13463-67-7 EC-No.: 236-675-5 REACH-no: 01-2119489379-17	$\geq 1 - < 5$	Not classified
Carbon Black substance with national workplace exposure limit(s) (GB)	CAS-No.: 1333-86-4 EC-No.: 215-609-9 REACH-no: 01-2119384822-32	$\geq 1 - < 5$	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:..... If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation:..... Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact:..... Wash skin with plenty of water.

First-aid measures after eye contact:..... Rinse eyes with water as a precaution.

First-aid measures after ingestion:..... Call a poison center or a doctor if you feel unwell.

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

No additional information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:..... Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products

in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting:..... Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:

Emergency procedures:..... Ventilate spillage area.

6.1.2. For emergency responders:

Protective equipment:..... Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:.....Mechanically recover the product.
Other information:.....Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:.....Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures:.....Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Titanium Dioxide (13463-67-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	10 mg/m ³ Inhalable dust
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m ³ Inhalable dust
Calcium Magnesium Carbonate - Mic 0-0.5 (16389-88-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	4 mg/m ³
Barium Sulphate (7727-43-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	10 mg/m ³ inhalable dust
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m ³ Inhalable dust

Carbon Black (1333-86-4)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	3.5 mg/m ³
WEL STEL (OEL STEL)	7 mg/m ³

Calcium Magnesium Silicate (14807-96-6)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	≈ 1 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:..... Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Safety glasses.

8.2.2.2. Skin protection

Skin and body protection:..... Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:..... Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid.
Colour: Various colours.
Appearance: Flakes.
Odour: Not available.
Odour threshold: Not available.
Melting point: Not available.
Freezing point: Not applicable.
Boiling point: Not available.
Flammability: Non flammable.
Lower explosion limit: Not applicable.
Upper explosion limit: Not applicable.
Flash point: Not applicable.
Auto-ignition temperature: Not applicable.
Decomposition temperature: Not available.
pH: Not applicable.
pH solution: Not available.
Viscosity, kinematic: Not applicable.
Solubility: Material insoluble in water.
Partition coefficient n-octanol/water
(Log Kow): Not available.
Vapour pressure: Not available.
Vapour pressure at 50°C: Not available.
Density: Not available.
Relative density: Not available.
Relative vapour density at 20°C: Not applicable.
Particle size: Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

No additional information available.

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Stable under normal conditions of use.

No dangerous reactions known under normal conditions of use.

None under recommended storage and handling conditions (see section 7).

No additional information available.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral):.....	Not classified.
Acute toxicity (dermal):.....	Not classified.
Acute toxicity (inhalation):.....	Not classified.
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.
Reproductive toxicity:.....	Not classified.
STOT-single exposure:.....	Not classified.
STOT-repeated exposure:.....	Not classified.
Aspiration hazard:	Not classified.

Viscosity, kinematic

Not applicable.

11.2. Information on other hazards

No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment,
short-term(acute): Not classified.

Hazardous to the aquatic environment,
long-term (chronic): Not classified.

12.2. Persistence and degradability

DECORATIVE FLAKES – ALL COLOURS

Persistence and degradability	Not rapidly degradable
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Titanium Dioxide (13463-67-7)

Persistence and degradability	Not rapidly degradable
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Calcium Magnesium Carbonate – Mic 0-0.5 (16389-88-1)

Persistence and degradability	Not rapidly degradable
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Barium Sulphate (7727-43-7)

Persistence and degradability	Not rapidly degradable
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Carbon Black (1333-86-4)

Persistence and degradability	Not rapidly degradable
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Calcium Magnesium Silicate (14807-96-6)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number UN 2281				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.2. UN proper shipping name				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
Transport document description				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.3. Transport hazard class(es)				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.4. Packing group				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.5. Environmental hazards				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable.

Inland waterway transport

Not applicable.

Transport by sea

Not applicable.

Rail transport

Not applicable.

Air transport

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain **substances used in the illicit manufacture of narcotic drugs and psychotropic substances**)

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet

Abbreviations and acronyms	
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources:..... 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. ECHA (European Chemicals Agency). Supplier's safety documents.

The classification complies with: ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.