

SAFETY DATA SHEET

Product Name: **HSC125 & HSC250** | According to UK REACH (S.I. 2019/758)



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** HSC125 & HSC250
Other means of identification: Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Consumer use): Adhesive
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
CWB Wholesale, Oak House, Langstone Business Park, Priory Dr, Langstone, Newport NP18 2LH
Tel: 01291 431 373, Email: info@cwbbwholesale.com, Website: www.cwbbwholesale.com
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Danger:

Hazard statements:
H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
Precautionary statements:
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
PSO1: Dispose of the contents/container in accordance with national regulations.
Supplementary information:
EUH066: Repeated exposure may cause skin dryness or cracking.
Substances that contribute to the classification
Methyl ethyl ketone; Acetone; Ethyl acetate
- 2.3 Other hazards:** Product does not meet PBT/vPvB criteria

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not relevant

Other means of identification: Not relevant

3.2 Mixture:

Chemical description: Mixture composed of polymers and resins in solvent

Components: In accordance with Annex II of The REACH etc. (Amendment etc.)(EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43-XXXX	Methyl ethyl ketone Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	25- <50%
CAS: 67-64-1 EC: 200-662-2 REACH: 01-2119471330-49-XXXX	Acetone Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	25- <50%
CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46-XXXX	Ethyl acetate Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	10- <25%
CAS: 112945-52-5 EC: NOT RELEVANT REACH: 01-2119379499-16-XXXX	Synthetic Silicon Dioxide Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	0,9- <2,5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SOS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SOS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant.

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media: Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, ...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders: Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections: See sections 8 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A - General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B - Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks, ...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C - Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D - Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A - Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C

B - General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
METHYL ETHYL KETONE CAS: 78-93-3	WEL (8h)	200 ppm	600 mg/m ³
	WEL (15 min)	300 ppm	899 mg/m ³
ACETONE CAS: 67-64-1	WEL (8h)	500 ppm	1210 mg/m ³
	WEL (15 min)	1500 ppm	3620 mg/m ³
ETHYL ACETATE CAS: 141-78-6	WEL (8h)	200 ppm	734 mg/m ³
	WEL (15 min)	400 ppm	1468 mg/m ³

8.1 Biological limit values:

Biological monitoring guidance values (bmgs) - eh40/2005

Identification	NULL	NULL	NULL
METHYL ETHYL KETONE CAS: 78-93-3	5 mg/L	Butan-2-one in urine	Post shift

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
METHYL ETHYL KETONE CAS: 78-93-3 EC: 201-159-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1161 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	600 mg/m ³	Not relevant
ACETONE CAS: 67-64-1 EC: 200-662-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	186 mg/kg	Not relevant
	Inhalation	Not relevant	2420 mg/m ³	1210 mg/m ³	Not relevant
ETHYL ACETATE CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
	Inhalation	1468 mg/m ³	1468 mg/m ³	734 mg/m ³	734 mg/m ³

8.2 Exposure controls:

A - Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection, ...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B - Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type:A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C - Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

8.2 Exposure controls:

D - Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

E - Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F - Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011 ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011 ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply): 80.59 % weight
V.O.C. density at 23 °C: 709 kg/m³ (709 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C: Liquid
Appearance: Gel
Colour: Characteristic
Odour: Characteristic
Odour threshold: Not relevant *

Volatility:

Boiling point at atmospheric pressure: 69 °C
Vapour pressure at 23 °C: 18369 Pa
Vapour pressure at 50 °C: 55385.71 Pa (55.39 kPa)
Evaporation rate at 23 °C: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

9.1 Product description:

Density at 23 °c:	879.8 kg/m ³
Relative density at 23 °c:	0.87
Dynamic viscosity at 23 °c:	8000 mPa·s
Kinematic viscosity at 23 °c:	9195 mm ² /s
Kinematic viscosity at 40 °c:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 23 °c:	Not relevant *
Partition coefficient n-octanol/water 23 °c:	Not relevant *
Solubility in water at 23 °c:	Not relevant *
Solubility properties:	Soluble in organic solvents
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	-1 °c
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	390 °c
Lower flammability limit:	1.2 % Volume
Upper flammability limit:	12 % Volume

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 23 °c:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions.
See section 7 from Safety Data Sheet

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

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SECTION 10: STABILITY AND REACTIVITY (CONTINUED)

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A - Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B - Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C - Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D - CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Poly(vinyl chloride-co-vinyl acetate)(3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E - Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (CONTINUED)

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F - Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G - Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Skin: Repeated exposure may cause skin dryness or cracking

H - Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ETHYL ACETATE CAS: 141-78-6 EC: 205-500-4	LD50 Oral	4100 mg/kg	Rat
	LD50 Dermal	20000 mg/kg	Rabbit
	LC50 Inhalation (vapour)	>20 mg/L	
ACETONE CAS: 67-64-1 EC: 200-662-2	LD50 Oral	5800 mg/kg	Rat
	LD50 Dermal	7426 mg/kg	Rabbit
	LC50 Inhalation (vapour)	76 mg/L (4 h)	Rat
METHYL ETHYL KETONE CAS: 78-93-3 EC: 201-159-0	LD50 Oral	4000 mg/kg	Rat
	LD50 Dermal	6400 mg/kg	Rabbit
	LC50 Inhalation (vapour)	23.5 mg/L (4 h)	Rat
SYNTHETIC SILICON DIOXIDE CAS: 112945-52-5 EC: NOT RELEVANT	LD50 Oral	10000 mg/kg	Rat
	LD50 Dermal	5100 mg/kg	Rabbit
	LC50 Inhalation (dust)	>5 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
METHYL ETHYL KETONE CAS: 78-93-3	LC50	3220 mg/L (96 h)	Pimephales promelas
	EC50	5091 mg/L (48 h)	Daphnia magna
	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda
ACETONE CAS: 67-64-1	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss
	EC50	8800 mg/L (48 h)	Daphnia pulex
	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa
ETHYL ACETATE CAS: 141-78-6	LC50	230 mg/L (96 h)	Pimephales promelas
	EC50	717 mg/L (48 h)	Daphnia magna
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus

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SECTION 12: ECOLOGICAL INFORMATION (CONTINUED)

Chronic toxicity:

Identification	Concentration		Species	Genus
ACETONE CAS: 67-64-1	NOEC	Not relevant		
	NOEC	2212 mg/L	Daphnia pulex	Crustacean
ETHYL ACETATE CAS: 141-78-6	NOEC	9.65 mg/L	Pimephales promelas	Fish
	NOEC	2.4 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
METHYL ETHYL KETONE CAS: 78-93-3 EC: 201-159-0	BODS	2.03 g O2/g	Concentration	Not relevant
	COD	2.31 g O2/g	Period	20 days
	BODS/COD	0.88	% Biodegradable	89%
ACETONE CAS: 67-64-1 EC: 200-662-2	BODS	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	28 days
	BODS/COD	Not relevant	% Biodegradable	96%
ETHYL ACETATE CAS: 141-78-6 EC: 205-500-4	BODS	1.36 g O2/g	Concentration	100 mg/L
	COD	1.69 g O2/g	Period	14 days
	BODS/COD	0.8	% Biodegradable	83%

12.3 Bioaccumulative Potential:

Substance-specific information:

Identification	Bioaccumulation Potential	
METHYL ETHYL KETONE CAS: 78-93-3 EC: 201-159-0	BCF	3
	Pow Log	0.29
	Potential	Low
ACETONE CAS: 67-64-1 EC: 200-662-2	BCF	1
	Pow Log	-0.24
	Potential	Low
ETHYL ACETATE CAS: 141-78-6 EC: 205-500-4	BCF	30
	Pow Log	0.73
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
METHYL ETHYL KETONE CAS: 78-93-3	KOC	30	Henry	5.77 Pa·m3/mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.396E-2 N/m (25°C)	Moist soil	Yes
ACETONE CAS: 67-64-1	KOC	Not relevant	Henry	2.93 Pa·m3/mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.304E-2 N/m (25°C)	Moist soil	Yes
ETHYL ACETATE CAS: 141-78-6	KOC	59	Henry	13.58 Pa·m3/mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.324E-2 N/m (25°C)	Moist soil	Yes

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SECTION 12: ECOLOGICAL INFORMATION (CONTINUED)

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product does not meet PBT/vPvB criteria

Code	Description	Waste class
08 04 09*	Waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP3 Flammable, HPS Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant- skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated: UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



14.1	UN number:	UN1133
14.2	UN proper shipping name:	ADHESIVES
14.3	Transport hazard class(es):	3
	Labels:	3
14.4	Packing group:	III
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5L
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Not relevant

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SECTION 14: TRANSPORT INFORMATION (CONTINUED)

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



14.1	UN number:	UN1133
14.2	UN proper shipping name:	ADHESIVES
14.3	Transport hazard class(es):	3
	Labels:	3
14.4	Packing group:	III
14.5	Marine pollutant:	No
14.6	Special precautions for user	
	Special regulations:	955, 223
	EmS Codes:	F-E, S-D
	Physico-Chemical properties:	see section 9
	Limited quantities:	5L
	Segregation group:	Not relevant
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:



14.1	UN number:	UN1133
14.2	UN proper shipping name:	ADHESIVES
14.3	Transport hazard class(es):	3
	Labels:	3
14.4	Packing group:	III
14.5	Marine pollutant:	No
14.6	Special precautions for user	
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Not relevant

Other information:

Packing group: viscous product according to IMDG 2.3.2.2

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

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Product Name: HSC125 & HSC250 | According to UK REACH (S.I. 2019/758)



SECTION 15: REGULATORY INFORMATION (CONTINUED)

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	Flammable Liquids	5000	50000

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains Acetone. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.

Shall not be used in:

- Ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays
- Tricks and jokes
- Games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.)(EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.)(EU Exit) Regulations 2020.

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

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.)(EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

SAFETY DATA SHEET

Product Name: HSC125 & HSC250 | According to UK REACH (S.I. 2019/758)



SECTION 16: OTHER INFORMATION

Classification procedure:

Eye Irrit. 2: Calculation method

STOT SE 3: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and Acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD₅: 5 day biochemical oxygen demand

BCF: Bioconcentration factor

LD₅₀: Lethal Dose 50

LC₅₀: Lethal Concentration 50

EC₅₀: Effective concentration 50

LogP_{OW}: Octanol/water partition coefficient

K_{oc}: Partition coefficient of organic carbon

UFI: Unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.