

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006,
as amended by UK REACH Regulations SI 2019/758

FLEECEBACK ADHESIVE

Section 1: Identification

1.1. Product identifier

Product name: FLEECEBACK ADHESIVE

Product code: EC2008

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

Identified uses: Solvent based adhesive

Recommended restrictions on use: For professional users only

1.3. Details of the supplier of the safety data sheet

Supplier:

Axter Ltd, Harbour Landing, Fox's Marina,
The Strand, Wherstead, Ipswich IP2 8NJ
Tel: +44 (0) 1473 724056
Email: info@axterltd.co.uk
Website: www.axter.co.uk

1.4 Emergency telephone:

Axter Ltd - +44 (0) 1473 724056
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).
In the event of a medical enquiry involving this product, members of
the public should contact:
NHS 111
a doctor or
a local hospital accident and emergency department.
The NPIS (National Poisons Information Service) helpline is available
for enquiries from medical professionals only.
Tel: 0344 892 0111

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

Respiratory sensitisation, Category 1

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation, Category 1

H317: May cause an allergic reaction.

Carcinogenicity, Category 2

H351: Suspected of causing cancer.

Specific target organ toxicity - single exposure, Category 3, central nervous system

H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms:



Signal Word:

DANGER

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

Precautionary statements:

Prevention:

P201 Obtain special instructions before use.

P261 Avoid breathing mist of vapours.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison centre / doctor if you feel unwell.

P342 + P311 If experiencing respiratory symptoms: Call a poison centre / doctor.

Hazardous components which must be listed on the label:

Dichloromethane

Methylenediphenyl diisocyanate

Additional Labelling

“As from 24 August 2023 adequate training is required before industrial or professional use.”

EUH204

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Dichloromethane can cause narcosis. Never use dichloromethane in poorly ventilated areas as it can produce large amounts of vapour (even at room temperature) that can cause serious and immediate health effects including loss of consciousness and death.

Dichloromethane vapours are heavier than air and may collect in containers or low-lying areas.

Dichloromethane emits toxic and corrosive fumes of phosgene, carbon monoxide and hydrogen chloride when heated to decomposition or involved in combustion.

Due to risk of explosion do not weld, cut or burn drums or other vessels which contain or have contained DCM.

Section 3: Composition/Information about Components**3.2 Mixtures
Components:**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
dichloromethane	75-09-2 200-838-9 602-004-00-3 01-2119480404-41-0000	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Carc. 2; H351 STOT SE 3; H336 (Central nervous system)	≥ 20 - < 30
methylenediphenyl diisocyanate	26447-40-5 247-714-0 615-005-00-9 01-2120770510-62-0000	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373	≥ 1 - < 5

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

Section 4: First aid measures

4.1 Description of first aid measures

General Advice

If on clothes, remove clothes.

Show this safety data sheet to the doctor in attendance.

Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues. In case of unconsciousness bring patient into stable side position for transport.

Contact with the skin

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if any discomfort continues.

Contact with the eyes

Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Ingestion

DO NOT induce vomiting. Get medical attention immediately.

Rinse mouth with water.

If conscious, drink plenty of water.

If symptoms persist, seek further medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Risks include: High concentrations of dichloromethane cause anaesthetic effects, central nervous system depression, intoxication, unconsciousness and death.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available. If in doubt, get medical attention promptly.

Section 5: Fire-fighting procedures

5.1 Extinguishing media

Suitable extinguishing means

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water mist

Foam

Dry powder

Carbon dioxide (CO₂)

Unsuitable extinguishing media

Do NOT use water jet as an extinguisher.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting

In case of fire, the following substance(s) may occur:

May release toxic, irritating and/or corrosive gases

Carbon monoxide

Hydrogen chloride (HCl)

Phosgene

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

In the event of fire, wear self-contained breathing apparatus.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Use personal protective equipment.

Use breathing protection against the effects of fumes/dust/aerosol.

Evacuate personnel to safe areas.

Ensure adequate ventilation.

6.2 Environmental precautions

Prevent the material from reaching sewage system, holes and cellars.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Non-sparking tools should be used.

Ensure adequate ventilation.

Send for recovery or disposal in suitable containers.

6.4 Reference to other sections

Refer to protective measures listed in Sections 7 and 8. For disposal considerations see Section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Avoid formation of dust and aerosols.

Use only with adequate ventilation.

Take note of emission threshold.

Use solvent-proof equipment.

Ensure that suitable extractors are available on processing machines.

Handle with care.

Keep eye wash bottle available on working place.

Avoid release to the environment.

Keep away from children.

Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Keep product and empty container away from heat and sources of ignition.

Do not smoke.

Take measures to prevent the build up of electrostatic charge.

May form explosive mixtures in air.

Highly volatile, flammable constituents are released during processing.

In the event of fire and/or explosion do not breathe fumes.

Keep breathing equipment ready.

Have fire extinguishing equipment ready in case of nearby fire.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage areas and containers:**

Use explosion-proof equipment.

Keep tightly closed in a dry, cool and well-ventilated place.

Do not freeze.

Solvent vapours are heavier than air and may spread along floors.

Further information on storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the container exploding.

Advice on common storage:

Do not store together with oxidizing and self-igniting products.

7.3 Specific end use(s)

No further relevant information available.

Section 8: Exposure controls/ personal protection**8.1 Control parameters****Occupational exposure limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
dichloromethane	75-09-2	TWA	100 ppm 353 mg/m ³	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	200 ppm 706 mg/m ³	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	100 ppm 353 mg/m ³	2017/164/EU
	Further information: Identifies the possibility of significant uptake through the skin, Indicative.			
		STEL	200 ppm 706 mg/m ³	2017/164/EU
	Further information: Identifies the possibility of significant uptake through the skin, Indicative.			
Methylenediphenyl diisocyanate	26447-40-5	TWA	0.02 mg/m ³ (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	0.07 mg/m ³ (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
dichloromethane	Workers	Eye contact	Local effects	
	Workers	Dermal	Long-term systemic effects	12 mg/kg
	Workers	Inhalation	Long-term systemic effects	176 mg/m ³

	Workers	Inhalation	Short-term systemic effects	132.14 mg/m ³
Methylenediphenyl diisocyanate	Workers	Dermal	Acute systemic effects	50 mg/kg
	Workers	Inhalation	Acute systemic effects	0.1 mg/m ³
	Workers	Dermal	Local effects	28.7 mg/cm ²
	Workers	Inhalation	Local effects	0.1 mg/m ³
	Workers	Inhalation	Long-term systemic effects	0.05 mg/m ³
	Workers	Inhalation	Local effects	0.05 mg/m ³

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
dichloromethane	Marine water	0.031 mg/l
	Sewage treatment plant	26 mg/l
	Fresh water sediment	0.163 mg/kg
	Marine sediment	0.163 mg/kg
	Fresh water	130 µg/l
	Soil	0.173 mg/kg
Methylenediphenyl diisocyanate	Fresh water	> 1 mg/l
	Marine water	> 0.1 mg/l
	Soil	> 1 mg/l
	Sewage treatment plant	> 1 mg/l

8.2. Exposure controls**Engineering measures**

Please take care on national and local requirements.

Personal protective equipment**Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Please take care on national and local requirements.

Eye/face protection

Tightly fitting safety goggles or equipment with better protection.

Hand protection

Solvent-resistant gloves.

Direct contact with the product must be avoided by organisational measures.

The glove material must be impermeable and resistant to the product/the substance/the preparation.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

The gloves need to be disposed before the penetration time and replaced by new ones.

Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the Barrier 02-100 PE-underglove from Ansell or other suppliers (penetration time: 480 min).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min).

As protection from splashes gloves made of the following materials are suitable:

Nitrile (minimum thickness 0.12 mm), Disposable gloves with long cuffs.

After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Respiratory protection

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus.

In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Ensure that suitable extractors are available on processing machines.

Filter type

Organic gas and low boiling vapour type (EN 14387) (AX).

Protective measures:

Keep away from food, drink and animal feeding stuffs. Instantly remove any soiled and impregnated garments.

Wash hands before breaks and immediately after handling the product.

Avoid contact with the eyes and skin.

Store protective clothing separately. Provide adequate ventilation.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Pink
Odour	Characteristic
Odour threshold	Not determined
pH	Substance / mixture is non-polar / aprotic
Melting point/freezing point	Not determined
Evaporation rate	1.8 (for a component of this mixture) (Diethylether = 1.0)
Relative vapour density	Heavier than air
Density	1.1 g/cm ³
Solubility(ies)	
Water solubility	Not miscible or difficult to mix
Partition coefficient: noctanol/ water	No data available
Auto-ignition temperature	Not determined
Decomposition temperature	Not applicable
Viscosity	
Viscosity, kinematic	≥ 20.5 mm ² /s
Explosive properties	Product is not explosive. However, formation of explosive vapour/air mixtures is possible.

9.2. Other information

Other information	No information required.
Refractive index	Not available
Particle size	Not available
Molecular weight	Not available
Volatility	Not available
Saturation concentration	Not available
Critical temperature	Not available

Section 10: Stability and Reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical Stability

No decomposition if used according to the specifications.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous decomposition products formed under fire conditions.

10.4 Conditions to be avoided

Conditions to avoid: Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid: Reacts violently with metals such as aluminium powder, magnesium powder, strong bases (alkalis) and strong oxidents, causing a fire and explosion hazard. (Attacks some forms of plastic and rubber coatings).

10.6 Hazardous decomposition products

Hydrogen chloride gas
Phosgene
Carbon monoxide

Section 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Product:**Acute inhalation toxicity:**

Acute toxicity estimate:	> 20 mg/l
Exposure time:	4 Hours
Test atmosphere:	Vapour
Method:	Calculation method

Components:**dichloromethane:**

Acute oral toxicity:	LD50 Oral (Rat): > 2.000 mg/kg
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Methylenediphenyl diisocyanate:**Acute inhalation toxicity:**

Acute toxicity estimate:	1.5 mg/l
Test atmosphere:	Dust/mist
Method:	Calculation method

Skin corrosion / irritation

Causes skin irritation.

Serious eye damage / eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation:**Skin sensitisation**

May cause an allergic skin reaction.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Section 12: Ecological Information**12.1. Toxicity****Components:****dichloromethane:**

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 140.8 - 277.8mg/l
Exposure time:	96 Hours
Test Type:	flow-through test

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential**Components:****dichloromethane:**

Partition coefficient: n-octanol/ water:	log Pow: 1.24
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Methylenediphenyl diisocyanate:

Partition coefficient: n-octanol/ water:	log Pow: 4.5
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12.4. Mobility in soil**Product**

Mobility	Medium: Soil
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Remarks: Do not allow product to reach ground water, water bodies or sewage system.

12.5. Results of PBT and vPvB assessment**Product:**

Assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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12.6. Other adverse effects**Product:**

Endocrine disrupting potential:	This substance / mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57 (f) at levels of 0.1% or higher.
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Section 13: Disposal considerations**13.1 Waste treatment methods****Product:**

Do not dispose of with domestic refuse.

Do not dispose of waste into sewer.

Hand over to disposers of hazardous waste.

The generation of waste should be avoided or minimized wherever possible.

Incinerate under controlled conditions in accordance with all local and national laws and regulations.

Disposal must be made according to official regulations.

Contaminated packaging:

Disposal must be made according to official regulations.

13.2 Disposal method

For disposal of used packaging, it would need to be classified as packaging containing residues of/ or contaminated by hazardous substances using waste code EWC 15 01 10.

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

Section 14: Transport information**14.1 UN Number**

ADN:	UN 2810
ADR:	UN 2810
RID:	UN 2810
IMDG:	UN 2810
IATA:	UN 2810

14.2 UN proper shipping name

ADN:	TOXIC LIQUID, ORGANIC, N.O.S (DICHLOROMETHANE
ADR:	TOXIC LIQUID, ORGANIC, N.O.S (DICHLOROMETHANE
RID:	TOXIC LIQUID, ORGANIC, N.O.S (DICHLOROMETHANE
IMDG:	TOXIC LIQUID, ORGANIC, N.O.S (DICHLOROMETHANE
IATA:	TOXIC LIQUID, ORGANIC, N.O.S (DICHLOROMETHANE

14.3 Transport hazard classes

ADN:	6.1
ADR:	6.1
RID:	6.1
IMDG:	6.1
IATA:	6.1

14.4 Packing group**ADN**

Packaging group	III
Classification code	T1
Hazard identification number	60
Labels	6.1
Remarks	This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 litres and outer packaging up to 30kg.

ADR

Packaging group	III
Classification code	T1
Hazard identification number	60
Labels	6.1
Tunnel restriction code	(E)
Remarks	This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 litres and outer packaging up to 30kg.

RID

Packaging group	III
Classification code	T1
Hazard identification number	60
Labels	6.1
Remarks	This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 litres and outer packaging up to 30kg.

IMDG

Packaging group	III
Labels	6.1
EmS code	F-A, S-A
Remarks	This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 litres and outer packaging up to 30kg.

IATA (Cargo)

Packaging instruction (cargo aircraft)	663
Packing instruction (LQ)	Y642
Packing group	III
Labels	Toxic

IATA (Passenger)

Packaging instruction (passenger aircraft)	663
Packing instruction (LQ)	Y642
Packing group	III
Labels	Toxic

14.5. Environmental hazards**ADN**

Environmentally hazardous	No
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ADR

Environmentally hazardous	No
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RID

Environmentally hazardous	No
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IMDG

Marine pollutant	No
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14.6. Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

Section 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

Conditions of restriction for the following entries should be considered: Number on list 74, 3

Methylenediphenyl diisocyanate
(Number on list 74)

REACH - Candidate List of Substances of Very High Concern for Authorisation (SVHC, Article 59):

Compliant

Regulation (EC) No 2024/590 on substances that deplete the ozone layer:

Compliant

Regulation (EU) 2019/1021 on persistent organic pollutants (recast):

Compliant

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Neither banned nor restricted

Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of life vehicles:

Compliant

RoHS: Directive 2011/65/EC of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, Annex II:

Compliant

Council Regulation (EC) No 273/2004 on drug precursors:

Compliant

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors:

Not applicable

UK REACH List of substances subject to authorisation (Annex XIV):

Compliant

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:

Not applicable

Volatile organic compounds:

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)

Volatile organic compounds (VOC) content: 23.2 %

The components of this product are reported in the following inventories:

EU REACH:

On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16: Other Information

Hazard statements in full

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Abbreviations

Acute Tox.:	Acute toxicity
Carc :	Carcinogenicity
Eye Irrit.:	Eye irritation
Resp. Sens.:	Respiratory sensitisation
Skin Irrit.:	Skin irritation
Skin Sens.:	Skin sensitisation
STOT RE:	Specific target organ toxicity - repeated exposure
STOT SE:	Specific target organ toxicity - single exposure
2017/164/EU:	Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values
98/24/EC I	Europe. Chemical Agents Directive - Annex I: Binding occupational exposure limit values
GB EH40:	UK. EH40 WEL - Workplace Exposure Limits

2017/164/EU / STEL:	Short term exposure limit
2017/164/EU / TWA:	Limit Value - eight hours
98/24/EC I / STEL:	Limit values Short-term
98/24/EC I / TWA:	Limit values 8 hours
GB EH40 / TWA:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL:	Short-term exposure limit (15-minute reference period)
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road	
AIRC - Australian Inventory of Industrial Chemicals	
ASTM - American Society for the Testing of Materials	
bw - Body weight	
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
CMR - Carcinogen, Mutagen or Reproductive Toxicant	
DIN - Standard of the German Institute for Standardisation	
DSL - Domestic Substances List (Canada)	
ECHA - European Chemicals Agency	
EC-Number - European Community number	
ECx - Concentration associated with x% response	
ELx - Loading rate associated with x% response	
EmS - Emergency Schedule	
ENCS - Existing and New Chemical Substances (Japan)	
ErCx - Concentration associated with x% growth rate response	
GHS - Globally Harmonized System	
GLP - Good Laboratory Practice	
IARC - International Agency for Research on Cancer	
IATA - International Air Transport Association	
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk IC50 - Half maximal inhibitory concentration	
IC50 - Half of maximal inhibitory concentration	
ICAO - International Civil Aviation Organization	
IECSC - Inventory of Existing Chemical Substances in China	
IMDG - International Maritime Dangerous Goods	
IMO - International Maritime Organization	
ISHL- Industrial Safety and Health Law (Japan)	
ISO - International Organisation for Standardization	
KECI - Korea Existing Chemicals Inventory	
LC50 - Lethal Concentration to 50 % of a test population	
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)	

MARPOL - International Convention for the Prevention of Pollution from ships

n.o.s - Not Otherwise Specified

NO(A)EC - No Observed (Adverse) Effect Concentration

NO(A)EL - No Observed (Adverse) Effect Level

NOELR - No Observable Effect Loading Rate

NZIoC - New Zealand Inventory of Chemicals

OECD - Organization for Economic Co-operation and Development

OPPTS - Office of Chemical Safety and Pollution Prevention

PBT - Persistent, Bioaccumulative and Toxic substance

PICCS - Philippines Inventory of Chemicals and Chemical Substances

(Q)SAR - (Quantitative) Structure Activity Relationship

REACH - Regulation (EC) No 1907/2006 of the European

Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

SADT - Self-Accelerating Decomposition Temperature

SDS - Safety Data Sheet

SVHC - Substance of very high concern

TCSI - Taiwan Chemical Substance Inventory

TECI - Thailand Existing Chemicals Inventory

TSCA - Toxic Substances Control Act (United States)

UN - United Nations

UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information: This safety data sheet only contains information relating to safety and does not replace any product information or product specification.

Contact Point: Prepared by: Global Regulatory Department

EU-MSDS@hbfuller.com

Classification of the mixture:**Classification procedure:**

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H336	Calculation method

The data contained in this SDS has been supplied as required by the EC REACH Regulation No. 1907/2006 and the EC Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company who are capable of acting on the information.

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