









## 7.2

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

- Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations, 2002, 18G95F. The requirements are given in the G95 Project Code of Practice and Guidance, Storage of Dangerous Substances. 8G95F.

**Notes on joint storage**

- Store away from oxidising agents, from strongly alkaline and strongly acid materials.

**Additional information on storage conditions**

- Observe label precautions.  
Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight.  
Keep container tightly closed.  
Keep away from sources of ignition.  
No smoking.  
Restrict unauthorized access.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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The principles contained in the HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product.

**7.3 Specific end use(s)** : None.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Limits for occupational exposure and/or biological limit values.

Chemical name	Physical state	LTEL - 8hr TWA		STEL - 15min		Notes
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
xylene		50	220	100	441	Sk, BMGV
ethylbenzene		100	441	125	552	Sk
1-methoxy-2-propanol		100	375	150	560	Sk
2-butanone oxime		3	10	10	33	NAOSH(Ire)
naphtha (petroleum), hydrotreated heavy (D40)			350			
2-methoxy-1-methylethyl acetate		50	274	100	548	Sk
2-ethylhexanoic acid, zirconium salt	as Zr		5		10	NAOSH(Ire)

LTEL - Long Term Exposure Limit, STEL - Short Term Exposure Limit, TWA - Time-Weighted Average.

ppm - parts per million by volume, mg/m<sup>3</sup> - milligrams per cubic metre.

BMGV - Biological Monitoring Guidance Values are given in Table 2 of EH40/2005 Workplace exposure limits. Carc - Capable of causing cancer and/or heritable genetic damage.

Sen - Capable of causing occupational asthma.

Sk - Can be absorbed through the skin. Dermal absorption may lead to systemic toxicity.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

General advice : Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particules and solvent vapour below the OEL, suitable respiratory protection must be worn.

#### 8.2.2 Personal protection equipment

Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

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Hand protection	:	<p>There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.</p> <p>For prolonged or repeated handling, use Polyvinyl Alcohol (PVA) or Viton Rubber (FluorRubber).</p> <p>The breakthrough time must be greater than the end use time of the product.</p> <p>The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.</p> <p>Gloves should be replaced regularly and if there is any sign of damage to the glove material.</p> <p>Always ensure that gloves are free from defects and that they are stored and used correctly.</p> <p>The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.</p> <p>Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.</p>
Eye protection	:	<p>Use safety eyewear designed to protect against splash of liquids.</p>
Skin protection	:	<p>Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.</p>

### 8.2.3 Environmental exposure controls

General advice : Do not allow to enter drains or watercourses.

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## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance - Physical state	:	Viscous liquid.
- Colour	:	Various.
Odour	:	Aromatic hydrocarbons.
Odour threshold - Lower	:	Not determined.
- Higher	:	Not determined.
pH	:	Not determined.
Melting point/freezing point (°C)	:	Not determined.
Initial boiling point and boiling range (°C)	:	137-200
Flash point (°C)	:	25
Evaporation rate	:	Not determined.
Flammability/explosive limits - Lower (%)	:	Not determined.

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	- Higher (%) :	Not determined.
Vapour pressure	:	Not determined.
Vapour density (air=1)	:	Heavier than air.
Relative density (g/ml) Solubility(ies)	:	1.01-1.17
Partition coefficient	:	Miscible with organic solvents.
Auto-ignition temperature (°C)	:	Not determined.
Decomposition temperature (°C)	:	>400
Viscosity	:	Not determined.
Explosive properties	:	~2.5 poise.
Oxidising properties	:	May form explosive mixtures with air.
	:	Not determined.

**9.2 Other information**

None.

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**Section 10: Stability and reactivity**

<b>10.1 Reactivity</b>	:	No data available.
<b>10.2 Chemical stability</b>	:	Stable under recommended storage and handling conditions. (See Section 7).
<b>10.3 Possibility of hazardous reactions</b>	:	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
<b>10.4 Conditions to avoid</b>	:	When exposed to high temperatures may produce hazardous decomposition products.
<b>10.5 Incompatible materials</b>	:	No data available.
<b>10.6 Hazardous decomposition products</b>	:	Carbon monoxide and dioxide, smoke, oxides of nitrogen.

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**Section 11: Toxicological information**

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Classification, Labelling and Packaging of Substances and Mixtures Regulation (EC) No. 1272/2008, (CLP) and classified for toxicological hazards accordingly.

See Sections 2 and 3 for details.

**11.1 Information on toxicological effects**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin.



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Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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**Section 12: Ecological information**

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

<b>12.1 Toxicity</b>	: No data available.
<b>12.2 Persistence and degradability</b>	: No data available.
<b>12.3 Bioaccumulative potential</b>	: No data available.
<b>12.4 Mobility in soil</b>	: No data available.
<b>12.5 Results of PBT and vPvB assessment</b>	: No data available.
<b>12.6 Other adverse effects</b>	: No data available.

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**Section 13: Disposal considerations****13.1 Waste treatment methods**

Do not allow to enter drains or watercourses.

The European List of Waste classification of this product, when disposed of as waste, is

<b>Waste Code:</b>	<b>Name of Waste (according to Commission Decision 2000/532/EC):</b>
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

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

ADR/RID/ADN	: 1263
IMDG	: 1263
ICAO	: 1263

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**14.2 UN proper shipping name** : PAINT**14.3 Transport hazard class(es)**

ADR/RID/ADN Class : 3  
ADR/RID/ADN Class : Class 3: Flammable liquids. 3  
ADR Label number : 3  
IMDG Class : 3  
ICAO Class/Division :  
Transport labels :

**14.4 Packing group**

ADR/RID/ADN : III  
IMDG : III  
ICAO : III

**14.5 Environmental hazards** : Environmentally Hazardous Substance/Marine Pollutant.**14.6 Special precautions for user**

ADR Tunnel Restriction Code : (D/E)  
IMDG EmS : F-E, S-  
IMDG Stowage Category : A

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

: Not applicable.

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

The information in this Safety Data Sheet is required pursuant to :

- Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No. 1907/2006, (REACH).
- Classification, Labelling and Packaging of substances and mixtures, Regulation (EC) No. 1272/2008, (CLP).
- The Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR).
- The Control of Substances Hazardous to Health Regulations, 2002, (COSHH).
- The Health and Safety at Work etc Act, 1974, (HSWA).

Approved Codes of Practice and Guidance notes relevant to this Safety Data Sheet :

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- The European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 2.1.
- CEPE Guideline for Safety Data Sheets, 9th Edition.
- HSE Approved Code of Practice and Guidance, Dangerous Substances and Explosive Atmospheres.
- HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances.
- HSE publication, EH40/2005 Workplace exposure limits.

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

### Section 16: Other information

#### Full text of Hazard Statements referred to in Section 3.

H225 : Highly flammable liquid and vapour.

H226 : Flammable liquid and vapour.

H304 : May be fatal if swallowed and enters airways.

H312 : Harmful in contact with skin.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H319 : Causes serious eye irritation.

H332 : Harmful 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. H400 :

Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

H411 : Toxic to aquatic life with long lasting effects.

#### Revision history

Date	Version	Amendments
01/12/16	4.00	Changes to Sections 2.1, 2.2, 3.2, 8.1, 16
25/05/16	3.10	Changes to Sections 2.2, 3.2, 8.1, 16
01/04/15	3.00	Format and all sections updated for CLP/REACH regulation changes.

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

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The product should not be used for purposes other than those shown on the Technical Data Sheet without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

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