

SAFETY DATA SHEET

M-COAT D

www.vpgsensors.com




ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Date of Issue: 15/08/2022
Date of First Issue: 05/03/2015
Version: 3.1

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

- 1.1 Product identifier**
Product Name M-COAT D
Product Code None
Unique Formula Identifier (UFI) None
Nanoform The product does not contain nanoparticles.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Coating
Uses Advised Against For professional users only.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification VISHAY MEASUREMENTS GROUP GMBH
Tatschenweg 1
74078 Heilbronn
Deutschland
Telephone +49 (0) 7131 39099-0
Fax +49 (0) 7131 39099-229
E-mail (competent person) mm.de@vpgsensors.com
- 1.4 Emergency telephone number**
Emergency Phone No. (00-1) 703-527-3887 CHEMTREC (24 hours)
Language(s) spoken: All official European languages.

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Regulation (EC) No. 1272/2008 (CLP)
Flam. Liq. 2; H225
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H336
Repr. 2; H361d
STOT RE 2; H373
Aquatic Chronic 3; H412
- 2.2 Label elements**
Product Name M-COAT D
Contains: Toluene
Methyl Ethyl Ketone
Titanium dioxide
- Hazard Pictogram(s)
  
- Signal Word(s) Danger
- Hazard Statement(s)
H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

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Precautionary Statement(s)	H336: May cause drowsiness or dizziness. H361d: Suspected of damaging the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H412: Harmful to aquatic life with long lasting effects. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331: Do NOT induce vomiting. P403+P235: Store in a well-ventilated place. Keep cool.
Supplemental information	EUH211 : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
2.3 Other hazards	None

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Toluene	40 - < 50	108-88-3	203-625-9	None assigned.	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Repr. 2; H361d STOT RE 2; H373 Aquatic Chronic 3; H412
Acrylic Ester Resin	30 - < 40	-	-	None assigned.	Not classified
Titanium dioxide	15 - < 20	13463-67-7	236-675-5	None assigned.	Carc. 2; H351
Methyl Ethyl Ketone	10 - < 15	78-93-3	201-159-0	None assigned.	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066

Note: For full text of H phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

Inhalation

Do not breathe vapour. Wear suitable protective clothing. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. Do not use mouth-to-mouth resuscitation.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as a collar, tie,

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Skin Contact	belt or waistband. Apply artificial respiration only if patient is not breathing or under medical supervision. Call a POISON CENTER or doctor/physician if you feel unwell. If exposed or concerned: Get medical attention/advice. IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse. If skin irritation occurs, get medical advice/attention. If exposed or concerned: Get medical attention/advice.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give milk or alcoholic beverages. Immediately call a POISON CENTER/doctor.
4.2 Most important symptoms and effects, both acute and delayed	Causes skin irritation. Causes eye irritation. May be fatal if swallowed and enters airways. Suspected of damaging the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If Gastric Lavage is performed: Endotracheal control and/or esophagoscopy is recommended. Give a slurry of activated charcoal in water to drink. (240mL Water / 30 g Activated charcoal).

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media Suitable Extinguishing media	As appropriate for surrounding fire. Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.
5.2 Special hazards arising from the substance or mixture	Highly flammable liquid and vapour. Combustion or thermal decomposition will evolve toxic and irritant vapours. Carbon monoxide, Carbon dioxide, Acrid smoke and Nitrogen oxides. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
5.3 Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Do not allow run-off from fire fighting to enter drains or water courses.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Shut off leaks if without risk. Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Do not breathe vapour. Avoid contact with skin, eyes or clothing. Wear suitable respiratory protection. Use personal protective equipment as required. See Section: 8.
6.2 Environmental precautions	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
6.3 Methods and material for containment and cleaning up	Ensure suitable personal protection (including respiratory protection) during removal of spillages. Use non-sparking equipment when picking up flammable spill. Contain spillages. Adsorb spillages onto sand, earth or any suitable adsorbent material. Do NOT absorb in saw-dust or other combustible adsorbents. Transfer to a container for disposal. Ventilate the area and wash spill site after material pick-up is complete. Dispose of this material and its container as hazardous waste.
6.4 Reference to other sections	See Section: 8, 13

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7. SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Ensure adequate ventilation. Do not breathe vapour. In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required. See Section: 8. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use non-sparking hand tools and explosion proof electrical equipment.
7.2	Conditions for safe storage, including any incompatibilities	Ground/bond container and receiving equipment. Store in a cool/low-temperature, well-ventilated (dry) place. Keep container closed. Keep away from fire, sparks and heated surfaces - no smoking. Vapor space above stored liquid may be flammable/explosive unless blanketed with inert gas. Opened containers should be carefully resealed and stored in an upright position.
	Storage temperature	Store at temperatures not exceeding (°C): 27
	Incompatible materials	Avoid contact with: Oxidizing agents.
7.3	Specific end use(s)	Coating

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

United Kingdom:

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Toluene	108-88-3	50	191	100	384	Sk
Methyl Ethyl Ketone	78-93-3	200	600	300	899	Sk, BMGV
Titanium dioxide total inhalable	13463-67-7	-	10	-	-	-
respirable		-	4	-	-	-

Source: WEL: Workplace Exposure Limit (UK HSE EH40).

Note:

Sk - Can be absorbed through skin.

BMGV – Biological monitoring guidance values.

Ireland

SUBSTANCE	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		ppm	mg/m ³	ppm	mg/m ³	
Toluene	108-88-3	50	192	100	384	Sk, IOELV
Methyl Ethyl Ketone	78-93-3	200	600	300	900	Sk, IOELV
Titanium dioxide total inhalable dust	13463-67-7	-	10	-	-	-
respirable dust		-	4	-	-	-

Source: 2021 Code of Practice for Safety, Health and Welfare at Work (Chemical Agents) Regulation (2001 – 2021) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001 – 2019); Health and Safety Authority

Note:

IOELV: Indicative Occupational Exposure Limit Value

Sk: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body.

8.1.2 Biological limit value

United Kingdom

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SUBSTANCE	CAS No.	Biological monitoring guidance values	Sampling Time
Methyl Ethyl Ketone	78-93-3	70 µmol butan-2-one/L in urine	Post shift

Note: Bmgv: Biological monitoring guidance value (UK HSE EH40)

- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Ensure adequate ventilation or use appropriate containment. Atmospheric levels should be controlled in compliance with the occupational exposure limit. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Guarantee that the eye flushing systems and safety showers are located close to the working place.
- 8.2.2 Individual protection measures, such as personal protective equipment (PPE)** General hygiene measures for the handling of chemicals are applicable. Avoid contact with skin, eyes or clothing. Do not breathe vapour. Wash hands before breaks and after work. Keep work clothes separately. Contaminated clothing should be thoroughly cleaned. Do not eat, drink or smoke at the work place.
- Eye/ face protection  Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).
- Skin protection  Hand protection: Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Recommended: Neoprene.
- Body protection: Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear anti-static clothing and shoes.
- Respiratory protection  In case of inadequate ventilation wear respiratory protection. Open system(s): Wear suitable respiratory protective equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
- Thermal hazards None
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	White
Odour	Aromatic
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable - Liquid
Lower and upper explosion limit	Flammable Limits (Lower) (%v/v): 1.6 Flammable Limits (Upper) (%v/v): 7.0
Flash point	-1 °C [Closed cup]
Auto-ignition temperature	Not determined
Decomposition Temperature	Not determined
pH	Not determined
Kinematic viscosity	<= 20.5 mm ² /s (Worst case assumption)

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Solubility	Soluble in water.
Partition coefficient: n-octanol/water (log value)	Not applicable - Mixture
Vapour pressure	0.49 mmHg (20 °C)
Density and/or relative density	< 1 (Water = 1)
Relative vapour density	3.8 (Air = 1)
Particle characteristics	Not applicable - Liquid

9.2 Other information

Evaporation Rate	1.9 (BuAc=1)
Volatile Organic Compound Content	650 g/L

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
10.4 Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials	Avoid contact with: Oxidizing agents.
10.6 Hazardous decomposition product(s)	May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, Acrid smoke and Nitrogen oxides.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Acute toxicity - Ingestion	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: > 2000 mg/kg bw/day
Acute toxicity - Inhalation	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: > 20 mg/l
Acute toxicity - Skin Contact	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: > 2000 mg/kg bw/day
Skin corrosion/irritation	Skin Irrit. 2: Causes skin irritation.
Toluene	Skin Corrosion/Irritation, Category 2: Causes skin irritation.
Ethyl methyl ketone	Irritating to skin. (rabbit) (EU Method B.4)
Serious eye damage/irritation	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis. (Smith R & Mayers MR, 1944)
Ethyl methyl ketone	Eye Irrit. 2: Causes serious eye irritation.
Respiratory or skin sensitization	Test Result: Irritating to eyes. (OECD 405)
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Repr. 2: Suspected of damaging the unborn child.
Toluene	Repr. 2: Suspected of damaging the unborn child.
STOT - single exposure	NOAEC: 600 ppm (Ono A et al, 1996)
Toluene	STOT SE 3: May cause drowsiness or dizziness.
Ethyl methyl ketone	STOT SE 3: May cause drowsiness or dizziness.
STOT - repeated exposure	Narcotic effects – Rats (OECD 403)
Toluene	STOT SE 3: May cause drowsiness or dizziness.
Aspiration hazard	Rats at all dose levels: gait and/or posture abnormalities. Higher dose groups some rats were comatose or prostrate within a few hours of dosing, with some animals being unconscious for 24 hours. (OECD 423)
Toluene	STOT RE 2: May cause damage to organs through prolonged or repeated exposure.
	NOAEL: 625 mg/kg bw/day (EU Method B.26)
	Asp. Tox. 1: May be fatal if swallowed and enters airways.
	Asp. Tox. 1: May be fatal if swallowed and enters airways.

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Kinematic viscosity 0.59 mm²/S

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

11.2.2 Other information

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 **Toxicity**
Toluene

Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.
Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.

LC50: 5,5 mg/L (Oncorhynchus mykiss (Rainbow trout)); 96 hours
LC50: 3,78 mg/L (Ceriodaphnia dubia; 48 hours; US EPA 600/4-91-003)
NOEC: 0,74 mg/L (Ceriodaphnia dubia; 7 days; US EPA 600/4-91-003)
Source: ECHA registration dossier

12.2 **Persistence and degradability**
Toluene

No data for the mixture as a whole.

Biodegradable.

Result: 80 % (20 days; APHA Method Number 219 (1971))

Source: ECHA registration dossier

12.3 **Bioaccumulative potential**
Toluene

No data for the mixture as a whole.

Partition coefficient n-octanol/water (log P O/W): 2,73

Bioconcentration factor (BCF): 90 (Leuciscus idus melanotus)

Source: ECHA registration dossier

12.4 **Mobility in soil**

The product is predicted to have high mobility in soil. (Soluble in water.)

12.5 **Results of PBT and vPvB assessment**

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

12.7 **Other adverse effects**

None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods**

Do not release undiluted and unneutralised to the sewer. Dispose of this material and its container as hazardous waste (2008/98/EEC). Containers of this material may be hazardous when empty since they retain product residue. Dispose of contents in accordance with local, state or national legislation.

Waste classification according to Directive 2008/98/EC (Waste Framework Directive)

HP 3 Flammable

HP 4 Irritant — skin irritation and eye damage

HP 5 Specific Target Organ Toxicity/Aspiration Toxicity

HP 7 Carcinogenic

HP 10 Toxic to reproduction

HP 14 Ecotoxic

14. SECTION 14: TRANSPORT INFORMATION

14.1 **UN number or ID number**

ADR/RID

UN 1993

IMDG

UN 1993

IATA/ICAO

UN 1993

14.2 **UN proper shipping name**

FLAMMABLE LIQUID,
N.O.S (Toluene; Methyl
Ethyl Ketone)

FLAMMABLE LIQUID,
N.O.S (Toluene; Methyl
Ethyl Ketone)

FLAMMABLE LIQUID,
N.O.S (Toluene; Methyl
Ethyl Ketone)

14.3 **Transport hazard class(es)**

3

3

3

14.4 **Packing group**

II

II

II

14.5 **Environmental hazards**

Not classified

Not classified as a
Marine Pollutant.

Not classified

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14.6	Special precautions for user	See Section: 2
14.7	Maritime transport in bulk according to IMO instruments	Not applicable.
14.8	Additional Information	None.

15. SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Use restriction according to REACH annex XVII, no.: 3
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Directive 2010/75/EU on industrial emissions
Restrictions of occupation

VOC-value: < 55 %
According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

To follow:

15.1.2 National regulations United Kingdom

UK – GB CLP – Mandatory classification and labelling list

Methyl Ethyl Ketone: Listed
Toluene: Listed
Titanium dioxide: Listed
Methyl Ethyl Ketone: Listed (Number: 40; 75)
Toluene: Listed (Number: 40; 48; 75)
Titanium dioxide: Listed (Number: 75)

UK REACH – Annex XVII (Restrictions)

Germany

Water hazard class (WGK)

obviously hazardous to water (WGK 2)

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Updated Signal word. Updated version and date. Please review SDS with care.

References:

Existing Safety Data Sheet (SDS). Harmonised Classification(s) for Toluene (CAS No. 108-88-3) and Methyl Ethyl Ketone (CAS No. 78-93-3) and Titanium dioxide (CAS No. 13463-67-7). Existing ECHA registration(s) for Toluene (CAS No. 108-88-3), Methyl Ethyl Ketone (CAS No. 78-93-3) and Titanium dioxide (CAS No. 13463-67-7)

Literature reference

1. Ono A, Sekita K, Ogawa Y, Hirose A, Suzuki S, Saito M, Naito K, Kaneko T, Furuya T, Kawashima K, Yasuhara K, Matsumoto K, Tanaka S, Inoue T and Kurokawa Y, 1996, Reproductive and developmental toxicity studies of toluene II. Effects of inhalation exposure on fertility in rats, Journal of Environmental Pathology Toxicology and Oncology 15, 9-20
2. Moles A, Bates S, Rice SD, Korn S. 1981. Reduced growth of Coho salmon fry exposed to two petroleum components, Toluene and naphthalene in fresh water. Transactions A. Fish. Soc. 110, 430-436.
3. Smith R & Mayers MR, 1944, Study of poisoning and fire hazards of butanone and acetone, Industrial Hygiene: 23, 174-176

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Classification of the substance or mixture according to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Flam. Liq. 2; H225	Flash Point [Closed cup] Test Result/ Boiling Point (°C)
Asp. Tox. 1; H304	Worst case assumption / Expert judgement
Skin Irrit. 2; H315	Threshold Calculation

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Eye Irrit. 2; H319	Threshold Calculation
STOT SE 3; H336	Threshold Calculation
Repr. 2; H361d	Threshold Calculation
STOT RE 2; H373	Threshold Calculation
Aquatic Chronic 3; H412	Summation Calculation

LEGEND

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
ECHA	European Chemicals Agency
EC	European Community
EU	European Union
HSE	Health and Safety Executive
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
OECD	Organisation for Economic Cooperation and Development
GB	Great Britain
EN	European Standard
LTEL	Long Term Exposure Limit
LC50	Lethal concentration; 50 %
EC50	Effect concentration; 50 %
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
LOAEC	Lowest observed effect concentration
NOEC	No Observed Effect Concentration
NOAEL	No Observed Adverse Effect Level
UK	United Kingdom
UN	United Nations
US	United States
VOC	Volatile Organic Compound

Hazard classification / Classification code:

Flam. Liq. 2; Flammable liquid Category 2
Asp. Tox. 1; Aspiration Toxicity Category 1
Skin Irrit. 2; Skin Irritation Category 2
Eye Irrit. 2; Eye Irritation Category 2
STOT SE 3; Specific target organ toxicity — single exposure Category 3
STOT RE 2; Specific target organ toxicity — repeated exposure Category 2
Repr. 2; Reproductive toxicity, Category 2
Carc. 2; Carcinogenicity, Category 2
Aquatic Chronic 3; Aquatic and Terrestrial Ecotoxicity Chronic exposure Category 3

Hazard Statement(s)

H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H361d: Suspected of damaging the unborn child.
H351: Suspected of causing cancer.
H412: Harmful to aquatic life with long lasting effects.

EUH066: Repeated exposure may cause skin dryness or cracking.
EUH211 : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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