

# SAFETY DATA SHEET



## ROOF FLEX ROOFING FELT ADHESIVE





Date of issue: 21<sup>st</sup> December 2021  
Date of First Issue: 20<sup>th</sup> December 2017  
Version 3.0

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

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

<b>1.1</b>	<b>Product Identifier</b> Product Name Product Code Unique Formula Identifier (UFI) Nanoform	ROOF FLEX ROOFING FELT ADHESIVE 5060382232845 & 5060382231473 53N0-M0AG-N00R-M07W The product does not contain nanoparticles.	
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b> Identified use(s) Uses advised against	Adhesive Not for use with torch-on felts	
<b>1.3</b>	<b>Details of the supplier of the safety data sheet</b> Company Identification  Telephone E-mail (competent person)	RADMAT Building Products Holland House Valley Way Rockingham Road Market Harborough LE16 7PS + 44 (0) 1858 412109 (Office hours) <a href="mailto:techsupport@rooftrade.co.uk">techsupport@rooftrade.co.uk</a>	
<b>1.4</b>	<b>Emergency Telephone Number</b> Emergency Phone No.  National Poisons Information Centre (Ireland)  National Poisons Information Service (Northern Ireland)  NHS 24 Language(s) spoken:	+ 44 (0) 1858 412109 +353 (1) 809 2166  +353 (1) 809 2566  +44 (0) 3448 920111  111 English	Office hours: 9am – 5pm 8.00am. - 10.00pm 7 days per week Members of Public 24 hr. emergency phone number Healthcare Professionals ONLY 24 hr. emergency phone number Healthcare Professionals ONLY Members of Public

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1</b>	<b>Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)</b>	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 STOT RE 1; H372 Aquatic Chronic 2; H411
<b>2.2</b>	<b>Label elements</b> Product name Contains:  Hazard Pictogram(s)	According to Regulation (EC) No. 1272/2008 (CLP) ROOF PRO ROOFING FELT ADHESIVE Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)     
	Signal Word(s)	DANGER
	Hazard Statement(s)	H226: Flammable liquid and vapour.

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# ROOF FLEX®

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Precautionary Statement(s)	H304: May be fatal if swallowed and enters airways. H336: May cause drowsiness or dizziness. H372: Causes damage to organs through prolonged or repeated exposure. H411: Toxic to aquatic life with long lasting effects.  P102: Keep out of reach of children. P101: If medical advice is needed, have product container or label at hand. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330: Rinse mouth. P501: Dispose of contents/container to household waste recycling centre as hazardous waste except for empty containers which can be disposed of by recycling.
Supplemental information	EUH066: Repeated exposure may cause skin dryness or cracking.
<b>2.3 Other hazards</b>	None Known

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 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)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)*	30 - 60	64742-82-1	919-446-0	01-2119458049-33-0007	Flam. Liq. 3; H226 STOT SE 3; H336 STOT RE 1; H372 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066

Note: For full text of H phrases see section 16. \*benzene content <0.1%

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid all contact. Contaminated clothing should be laundered before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.

Skin contact

IF ON SKIN: Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

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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. IF exposed or concerned: Get medical advice/attention.
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Make victim drink plenty of water. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Repeated exposure may cause skin dryness or cracking.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.
Notes to a physician:	IF SWALLOWED: Material may be aspirated into the lungs and cause chemical pneumonitis IF INHALED: Respiratory symptoms, including pulmonary edema, may be delayed.

### 5. SECTION 5: FIREFIGHTING MEASURES

<b>5.1 Extinguishing media</b>	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Suitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.
Unsuitable extinguishing media	
<b>5.2 Special hazards arising from the substance or mixture</b>	Flammable liquid and vapour. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide. Prevent liquid entering sewers, basements and workpits; vapour may create explosive atmosphere. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
<b>5.3 Advice for firefighters</b>	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Caution - spillages may be slippery. Ensure operatives are trained to minimise exposures. Ensure suitable personal protection during removal of spillages. Eliminate sources of ignition. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours.
<b>6.2 Environmental precautions</b>	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
<b>6.3 Methods and material for containment and cleaning up</b>	Provided it is safe to do so, isolate the source of the leak. Use non-sparking equipment when picking up flammable spill. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste. Allow small spillages to evaporate provided there is adequate ventilation.
<b>6.4 Reference to other sections</b>	See Section: 8,13

### 7. SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Ensure operatives are trained to minimise exposures. Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. In case of inadequate ventilation wear respiratory protection. Avoid contact with skin and eyes. Do not ingest. Wear protective gloves/eye protection. Take precautionary measures against static discharge. This product should be kept away from naked flames and other sources of ignition. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

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7.3	Storage temperature Incompatible materials <b>Specific end use(s)</b>	Keep cool. Protect from sunlight. Strong acids. Strong bases. Strong oxidising agents See Section: 1.2.
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### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1</b>	<b>Control parameters</b>	
<b>8.1.1</b>	<b>Occupational exposure limits</b>	Users are advised to consider national Occupational Exposure Limits or other equivalent values.
<b>8.1.2</b>	<b>Biological limit value</b>	Not established.
<b>8.1.3</b>	<b>PNECs and DNELs</b>	Exposure scenarios for substances in this preparation are not available.
<b>8.2</b>	<b>Exposure controls</b>	
<b>8.2.1</b>	<b>Appropriate engineering controls</b>	Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit. A washing facility/water for eye and skin cleaning purposes should be present.
<b>8.2.2</b>	<b>Individual protection measures, such as personal protective equipment</b>	General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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). Protective index 6, corresponding > 480 minutes of permeation time according to EN 374. Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

**Body protection:**

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A (EN141 or EN405) may be appropriate.

Thermal hazards

Not applicable

<b>8.2.3</b>	<b>Environmental exposure controls</b>	Avoid release to the environment.
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### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Physical state	Liquid
	Colour	Black

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Odour	Solvent odour.
Melting point/freezing point	Not established
Boiling point or initial boiling point and boiling range	Not established
Flammability	Not established
Lower and upper explosion limit	Not established
Flash point	44°C
Auto-ignition temperature	Not established
Decomposition temperature	Not established
pH	not applicable
Kinematic viscosity	0.00918 cm <sup>2</sup> /s @40°C (White spirit)
Solubility	Insoluble in water
Partition coefficient: n-octanol/water (log value)	Not established
Vapour pressure	Not established
Density and/or relative density	Not established
Relative vapour density	Not established
Particle characteristics	Not established

### 9.2 Other information

Specific Gravity	0.93g/cm <sup>3</sup>
Volatile Organic Compound Content	302g/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	Stable under normal conditions.
10.4 Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.
10.5 Incompatible materials	Strong acids. Strong bases. Strong oxidising agents
10.6 Hazardous decomposition products	May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Acute toxicity - Inhalation	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >20 mg/l (Vapour)
Acute toxicity - Skin contact	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitisation	Mixture: Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
STOT - Single Exposure	Mixture: STOT SE 3; H336: May cause drowsiness or dizziness.
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	STOT SE 3; H336: May cause drowsiness or dizziness.
STOT - Repeated Exposure	Mixture: STOT RE 1; H372: Causes damage to organs through prolonged or repeated exposure.
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	STOT RE 1; H372: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	No data available Mixture: Asp. Tox. 1; H304: May be fatal if swallowed and enters airways.

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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
No data available  
Kinematic viscosity: 0.00918 cm<sup>2</sup>/s @40°C

### 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

None Known

## 12. SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Mixture: Aquatic Chronic 2; H411: Toxic to aquatic life with long lasting effects.  
Estimated LC50 (Mixture): > 1 to ≤ 10 mg/l.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Aquatic Chronic 2; H411: Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

No data for the mixture as a whole.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Readily biodegradable.

### 12.3 Bioaccumulative potential

No data for the mixture as a whole.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
The product has potential for bioaccumulation.

### 12.4 Mobility in soil

No data for the mixture as a whole.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
No data available

### 12.5 Results of PBT and vPvB assessment

### 12.6 Endocrine disrupting properties

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

### 12.7 Other adverse effects

None Known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility.

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

Dispose of contents in accordance with local, state or national legislation.

Waste code:

HP3 (Flammable)

HP5 (Specific Target Organ Toxicity (STOT)/Aspiration Toxicity)

HP14 (Ecotoxic)

## 14. SECTION 14: TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA/ICAO
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Environmentally hazardous substance	Environmentally hazardous substance	Classified as a Marine Pollutant.	Environmentally hazardous substance
14.6 Special precautions for user	See Section: 2			
14.7 Maritime transport in bulk according to IMO instruments	Not applicable			

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### 15. SECTION 15: REGULATORY INFORMATION

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

##### 15.1.1 EU regulations

Authorisations and/or restrictions on use  
Restrictions of occupation:

Not restricted

According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

To follow:

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

##### 15.1.2 National regulations

Germany

Water hazard class (WGK): 2 (Self classification)

#### 15.2 Chemical Safety Assessment

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) A REACH chemical safety assessment has been carried out. Exposure scenarios for substances in this preparation are not available.

### 16. SECTION 16: OTHER INFORMATION

**The following sections contain revisions or new statements:** Updated substance / mixture classification. Updated version and date. New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with care.

**References:** Existing Safety Data Sheet (SDS); Existing ECHA registration for Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS No. 64742-82-1)

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. 3; H226	Flash point (°C) / Boiling Point (°C)
STOT SE 3; H336	Threshold Calculation
STOT RE 1; H372	Threshold Calculation
Asp. Tox. 1; H304	Threshold Calculation
Aquatic Chronic 2; H411	Summation Calculation

#### Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

#### Hazard classification / Classification code:

Flam. Liq. 3; Flammable liquid, Category 3  
Asp. Tox. 1; Aspiration Toxicity, Category 1  
STOT SE 3; Specific target organ toxicity — single exposure, Category 3  
STOT RE 1; Specific target organ toxicity — repeated exposure, Category 1

#### Hazard Statement(s)

H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H336: May cause drowsiness or dizziness.  
H372: Causes damage to organs through prolonged or repeated exposure.

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Aquatic Chronic 2; Hazardous to the aquatic environment, Category 2

H411: Toxic to aquatic life with long lasting effects.

EUH066: Repeated exposure may cause skin dryness or cracking.

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

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. RADMAT Building Products gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. RADMAT Building Products accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

### Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.



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

<b>1.1 Product Identifier</b>		
Product Name	ROOF FLEX ROOFING FELT ADHESIVE	
Product Code	5060382232845 & 5060382231473	
Unique Formula Identifier (UFI)	53N0-M0AG-N00R-M07W	
Nanoform	The product does not contain nanoparticles.	
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>		
Identified use(s)	Adhesive	
Uses advised against	Not for use with torch-on felts	
<b>1.3 Details of the supplier of the safety data sheet</b>		
Company Identification	Radmat (Ireland) Limited 3 Inns Quay Dublin 7 Ireland	
Telephone	+ 44 (0) 1858 412109 (Office hours)	
E-mail (competent person)	<a href="mailto:techsupport@rooftrade.co.uk">techsupport@rooftrade.co.uk</a>	
<b>1.4 Emergency Telephone Number</b>		
Emergency Phone No.	+ 44 (0) 1858 412109 +353 (1) 809 2166	Office hours: 9am – 5pm 8.00am. - 10.00pm 7 days per week Members of Public
National Poisons Information Centre (Ireland)	+353 (1) 809 2566	24 hr. emergency phone number Healthcare Professionals ONLY
National Poisons Information Service (Northern Ireland)	+44 (0) 3448 920111	24 hr. emergency phone number Healthcare Professionals ONLY
NHS 24	111	Members of Public
Language(s) spoken:	English	

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)</b>	
	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 STOT RE 1; H372 Aquatic Chronic 2; H411
<b>2.2 Label elements</b>	
Product name	According to Regulation (EC) No. 1272/2008 (CLP) ROOF PRO ROOFING FELT ADHESIVE
Contains:	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hazard Pictogram(s)	   
Signal Word(s)	DANGER
Hazard Statement(s)	H226: Flammable liquid and vapour.

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Supplemental information	EUH066: Repeated exposure may cause skin dryness or cracking.
2.3 Other hazards	None Known

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 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)
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Note: For full text of H phrases see section 16. \*benzene content <0.1%

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Self-protection of the first aider	Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid all contact. Contaminated clothing should be laundered before reuse.
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.
Skin contact	IF ON SKIN: Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

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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. IF exposed or concerned: Get medical advice/attention.
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Make victim drink plenty of water. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Repeated exposure may cause skin dryness or cracking.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.
Notes to a physician:	IF SWALLOWED: Material may be aspirated into the lungs and cause chemical pneumonitis IF INHALED: Respiratory symptoms, including pulmonary edema, may be delayed.

### 5. SECTION 5: FIREFIGHTING MEASURES

<b>5.1 Extinguishing media</b>	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Suitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.
Unsuitable extinguishing media	
<b>5.2 Special hazards arising from the substance or mixture</b>	Flammable liquid and vapour. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide. Prevent liquid entering sewers, basements and workpits; vapour may create explosive atmosphere. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
<b>5.3 Advice for firefighters</b>	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Caution - spillages may be slippery. Ensure operatives are trained to minimise exposures. Ensure suitable personal protection during removal of spillages. Eliminate sources of ignition. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours.
<b>6.2 Environmental precautions</b>	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
<b>6.3 Methods and material for containment and cleaning up</b>	Provided it is safe to do so, isolate the source of the leak. Use non-sparking equipment when picking up flammable spill. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste. Allow small spillages to evaporate provided there is adequate ventilation.
<b>6.4 Reference to other sections</b>	See Section: 8,13

### 7. SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Ensure operatives are trained to minimise exposures. Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. In case of inadequate ventilation wear respiratory protection. Avoid contact with skin and eyes. Do not ingest. Wear protective gloves/eye protection. Take precautionary measures against static discharge. This product should be kept away from naked flames and other sources of ignition. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

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7.3	Storage temperature Incompatible materials <b>Specific end use(s)</b>	Keep cool. Protect from sunlight. Strong acids. Strong bases. Strong oxidising agents See Section: 1.2.
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### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	<b>Control parameters</b>	
8.1.1	<b>Occupational exposure limits</b>	Users are advised to consider national Occupational Exposure Limits or other equivalent values.
8.1.2	<b>Biological limit value</b>	Not established.
8.1.3	<b>PNECs and DNELs</b>	Exposure scenarios for substances in this preparation are not available.
8.2	<b>Exposure controls</b>	
8.2.1	<b>Appropriate engineering controls</b>	Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit. A washing facility/water for eye and skin cleaning purposes should be present.
8.2.2	<b>Individual protection measures, such as personal protective equipment</b>	General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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). Protective index 6, corresponding > 480 minutes of permeation time according to EN 374 Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

**Body protection:**

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A (EN141 or EN405) may be appropriate.

Thermal hazards

Not applicable

8.2.3	<b>Environmental exposure controls</b>	Avoid release to the environment.
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### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	<b>Information on basic physical and chemical properties</b>	
	Physical state	Liquid
	Colour	Black

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Odour	Solvent odour.
Melting point/freezing point	Not established
Boiling point or initial boiling point and boiling range	Not established
Flammability	Not established
Lower and upper explosion limit	Not established
Flash point	44°C
Auto-ignition temperature	Not established
Decomposition temperature	Not established
pH	not applicable
Kinematic viscosity	0.00918 cm <sup>2</sup> /s @40°C (White spirit)
Solubility	Insoluble in water
Partition coefficient: n-octanol/water (log value)	Not established
Vapour pressure	Not established
Density and/or relative density	Not established
Relative vapour density	Not established
Particle characteristics	Not established

### 9.2 Other information

Specific Gravity	0.93g/cm <sup>3</sup>
Volatile Organic Compound Content	302g/L

## 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4 Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.
<b>10.5 Incompatible materials</b>	Strong acids. Strong bases. Strong oxidising agents
<b>10.6 Hazardous decomposition products</b>	May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>	
<b>Acute toxicity - Ingestion</b>	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
<b>Acute toxicity - Inhalation</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >20 mg/l (Vapour)
<b>Acute toxicity - Skin contact</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
<b>Skin corrosion/irritation</b>	Mixture: Based upon the available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.
<b>Serious eye damage/irritation</b>	Mixture: Based upon the available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	Mixture: Based upon the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Mixture: Based upon the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Mixture: Based upon the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Mixture: Based upon the available data, the classification criteria are not met.
<b>STOT - Single Exposure</b>	Mixture: STOT SE 3; H336: May cause drowsiness or dizziness.
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	STOT SE 3; H336: May cause drowsiness or dizziness.
<b>STOT - Repeated Exposure</b>	Mixture: STOT RE 1; H372: Causes damage to organs through prolonged or repeated exposure.
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	STOT RE 1; H372: Causes damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	No data available Mixture: Asp. Tox. 1; H304: May be fatal if swallowed and enters airways.

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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
No data available  
Kinematic viscosity: 0.00918 cm<sup>2</sup>/s @40°C

### 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

None Known

## 12. SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Mixture: Aquatic Chronic 2; H411: Toxic to aquatic life with long lasting effects.  
Estimated LC50 (Mixture): > 1 to ≤ 10 mg/l.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Aquatic Chronic 2; H411: Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

No data for the mixture as a whole.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Readily biodegradable.

### 12.3 Bioaccumulative potential

No data for the mixture as a whole.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
The product has potential for bioaccumulation.

### 12.4 Mobility in soil

No data for the mixture as a whole.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
No data available

### 12.5 Results of PBT and vPvB assessment

### 12.6 Endocrine disrupting properties

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

### 12.7 Other adverse effects

None Known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility.

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

Dispose of contents in accordance with local, state or national legislation.

Waste code:

HP3 (Flammable)

HP5 (Specific Target Organ Toxicity (STOT)/Aspiration Toxicity)

HP14 (Ecotoxic)

## 14. SECTION 14: TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA/ICAO
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Environmentally hazardous substance	Environmentally hazardous substance	Classified as a Marine Pollutant.	Environmentally hazardous substance
14.6 Special precautions for user	See Section: 2			
14.7 Maritime transport in bulk according to IMO instruments	Not applicable			

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### 15. SECTION 15: REGULATORY INFORMATION

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

##### 15.1.1 EU regulations

Authorisations and/or restrictions on use

Not restricted

Restrictions of occupation:

According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

To follow:

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

##### 15.1.2 National regulations

Germany

Water hazard class (WGK): 2 (Self classification)

#### 15.2 Chemical Safety Assessment

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) A REACH chemical safety assessment has been carried out. Exposure scenarios for substances in this preparation are not available.

### 16. SECTION 16: OTHER INFORMATION

**The following sections contain revisions or new statements:** Updated substance / mixture classification. Updated version and date. New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with care.

**References:** Existing Safety Data Sheet (SDS); Existing ECHA registration for Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS No. 64742-82-1)

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. 3; H226	Flash point (°C) / Boiling Point (°C)
STOT SE 3; H336	Threshold Calculation
STOT RE 1; H372	Threshold Calculation
Asp. Tox. 1; H304	Threshold Calculation
Aquatic Chronic 2; H411	Summation Calculation

#### Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

#### Hazard classification / Classification code:

Flam. Liq. 3; Flammable liquid, Category 3  
Asp. Tox. 1; Aspiration Toxicity, Category 1  
STOT SE 3; Specific target organ toxicity — single exposure, Category 3  
STOT RE 1; Specific target organ toxicity — repeated exposure, Category 1

#### Hazard Statement(s)

H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H336: May cause drowsiness or dizziness.  
H372: Causes damage to organs through prolonged or repeated exposure.

# SAFETY DATA SHEET



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Aquatic Chronic 2; Hazardous to the aquatic environment, Category 2

H411: Toxic to aquatic life with long lasting effects.

EUH066: Repeated exposure may cause skin dryness or cracking.

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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### Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.