

# SAFETY DATA SHEET

(in accordance with The Hazard Communication Standard (HCS) (29 CFR 1910.1200))



IRURENA GROUP

## 31001920000BAS-AZPIFOND F-192 BASE

Version: 2  
Revision date: 15/06/2020

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### Section 1: Identification.

#### Product identifier used on the label and Other means of identification.

Product Name: AZPIFOND F-192 BASE

#### Recommended use of the chemical and restrictions on use.

Coating material for different surfaces

#### Specific end use(s).

To be used within industrial facilities only

#### Uses advised against:

Uses other than those recommended.

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party.

Company: **Industrias Químicas Iruena, S.A.**  
Address: Ctra. de Tolosa, s/nº. Apdo. 30  
City: 20730 Azpeitia  
Province: Gipuzkoa  
Telephone: 943 15 70 99  
Fax: 943 81 09 11  
E-mail: irurena@irurenagroup.com  
Web: <http://www.irurenagroup.com>

**Emergency phone number:** 915 620 420 (Inst.Toxicologia) (Available 24 hours)

### Section 2: Hazard(s) Identification.

#### Classification of the chemical in accordance with paragraph (d) of §1910.1200

In accordance with The Hazard Communication Standard (HCS) (29 CFR 1910.1200):

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

Repr. 2 : Suspected of damaging fertility or the unborn child.

Skin Irrit. 2 : Causes skin irritation.

#### Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200.

Symbol(s):



Signal Word:

**Danger**

Hazard statement(s):

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361d Suspected of damaging the unborn child.

Precautionary statement(s):

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

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

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P370+P378 In case of fire: Use extinguisher powder or CO2 to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container according to local regulations

Contains:  
toluene

### Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

### Section 3: Composition/Information on Ingredients.

#### Substances.

Not Applicable.

#### Mixtures.

Chemical name and concentration ranges of all ingredients that are classified as health hazards in accordance with paragraph (d) of §1910.1200 and that are present above their cut-off/concentration limits or ingredients that are below their cut-off/concentration limits and present a health risk:

Identifiers	Name	Concentrate	(*)Classification	
			Classification	specific concentration limit
Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 REACH No: 01-2119488216-32-XXXX	[1] xylene	10 - 25 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
Index No: 607-022-00-5 CAS No: 141-78-6 EC No: 205-500-4 REACH No: 01-2119475103-46-XXXX	[1] ethyl acetate	1 - 10 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-
Index No: 607-025-00-1 CAS No: 123-86-4 EC No: 204-658-1 REACH No: 01-2119485493-29-XXXX	[1] n-butyl acetate	1 - 20 %	Flam. Liq. 3, H226 - STOT SE 3, H336	-
Index No: 601-021-00-3 CAS No: 108-88-3 EC No: 203-625-9 REACH No: 01-2119471310-51-XXXX	[1] toluene	3 - 10 %	Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - Repr. 2, H361d *** - STOT RE 2 *, H373 ** - STOT SE 3, H336 - Skin Irrit. 2, H315	-

(\*)The complete text of the Hazard statement(s) is given in section 16 of this Safety Data Sheet.

\* Minimum classification.

\*\* Route of exposure cannot be excluded.

\*\*\* Hazard statements for reproductive toxicity, the general hazard statement can be replaced by the hazard statement indicating only the property of concern.

\*\*\*\* Correct classification for physical hazards could not be established.

[1] Substance with a workplace exposure limit (see section 8.1).

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## Section 4: First-Aid Measures.

**IRRITANT MIXTURE.** Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### **Description of first aid measures.**

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

### **Inhalation.**

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

### **Eye contact.**

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

### **Skin contact.**

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

### **Ingestion.**

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

### **Most important symptoms and effects, both acute and delayed.**

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

Long-term chronic exposure may result in injury to certain organs or tissues.

### **Indication of any immediate medical attention and special treatment needed.**

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

## Section 5: Fire-Fighting Measures.

The product is Highly inflammable, it can cause or considerably worsen a fire, the necessary prevention measures should be taken and risks avoided. In case of fire, the following measures are recommended:

### **Extinguishing media.**

#### **Suitable extinguishing media:**

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray.

#### **Unsuitable extinguishing media:**

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

### **Special hazards arising from the mixture.**

#### **Special risks.**

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

### **Advice for firefighters.**

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Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

### **Fire protection equipment.**

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

## **Section 6: Accidental Release Measures.**

### **Personal precautions, protective equipment, and emergency procedures.**

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

Environmental precautions: Prevent the contamination of drains, surface or subterranean waters, and the ground.

### **Methods and materials for containment and cleaning up.**

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations

Reference to other sections: for exposure control and individual protection measures, see section 8, for later elimination of waste, follow the recommendations under section 13.

## **Section 7: Handling and Storage.**

### **Precautions for safe handling.**

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

### **Conditions for safe storage, including any incompatibilities.**

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

## **Section 8: Exposure Controls/Personal Protection.**

### **8.1 Control parameters.**

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m <sup>3</sup>
xylene	1330-20-7	European	<b>Eight hours</b>	50 (skin)	221 (skin)

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		Union [1]	Short term	100 (skin)	442 (skin)
		United Kingdom [2]	Eight hours	50	220
		United States [3] (Cal/OSHA)	Short term	100	441
		United States [4] (NIOSH)	Short term	150 (Ceiling) 300	
		United States [5] (OSHA)	Eight hours	100	
		United States [5] (OSHA)	Short term	150	
		United States [5] (OSHA)	Eight hours	100	435
		United States [5] (OSHA)	Short term		
ethyl acetate	141-78-6	European Union [1]	Eight hours	200	734
		European Union [1]	Short term	400	1468
		United Kingdom [2]	Eight hours	200	
		United Kingdom [2]	Short term	400	
		United States [3] (Cal/OSHA)	Eight hours	400	
		United States [3] (Cal/OSHA)	Short term		
n-butyl acetate	123-86-4	United States [4] (NIOSH)	Eight hours	400	
		United States [4] (NIOSH)	Short term		
		United States [5] (OSHA)	Eight hours	400	1400
		United States [5] (OSHA)	Short term		
		United Kingdom [2]	Eight hours	150	724
		United Kingdom [2]	Short term	200	966
toluene	108-88-3	United States [3] (Cal/OSHA)	Eight hours	150	
		United States [3] (Cal/OSHA)	Short term	200	
		United States [4] (NIOSH)	Eight hours	150	710
		United States [4] (NIOSH)	Short term		
		European Union [1]	Eight hours	50 (skin)	192 (skin)
		European Union [1]	Short term	100 (skin)	384 (skin)
		United Kingdom [2]	Eight hours	50	191
		United Kingdom [2]	Short term	100	384
		United States [3] (Cal/OSHA)	Eight hours	10	
		United States [3] (Cal/OSHA)	Short term	150 (Ceiling) 500	
		United States [4] (NIOSH)	Eight hours	100	
		United States [4] (NIOSH)	Short term	150	
		United States [5] (OSHA)	Eight hours	200	
		United States [5] (OSHA)	Short term	300 Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 [10 min]	

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[5] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
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xylene CAS No: 1330-20-7 EC No: 215-535-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m <sup>3</sup> )
ethyl acetate CAS No: 141-78-6 EC No: 205-500-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	734 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Long-term, Local effects	734 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Long-term, Local effects	367 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Acute, Local effects	1468 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Acute, Local effects	734 (mg/m <sup>3</sup> )
	DNEL (Workers)	Dermal, Long-term, Systemic effects	63 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	37 (mg/kg bw/day)
n-butyl acetate CAS No: 123-86-4 EC No: 204-658-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	480 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Long-term, Systemic effects	102,34 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Acute, Systemic effects	960 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Acute, Systemic effects	859,7 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Long-term, Local effects	480 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Long-term, Local effects	102,34 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Acute, Local effects	960 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Acute, Local effects	859,7 (mg/m <sup>3</sup> )
	DNEL (General population)	Oral, Long-term, Systemic effects	3,4 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	3,4 (mg/kg bw/day)
	toluene CAS No: 108-88-3 EC No: 203-625-9	DNEL (Workers)	Inhalation, Long-term, Local effects
DNEL (General population)		Inhalation, Long-term, Local effects	56,5 (mg/m <sup>3</sup> )
DNEL (Workers)		Inhalation, Long-term, Systemic effects	192 (mg/m <sup>3</sup> )
DNEL (General population)		Inhalation, Long-term, Systemic effects	56,5 (mg/m <sup>3</sup> )
DNEL (Workers)		Inhalation, Acute, Systemic effects	384 (mg/m <sup>3</sup> )
DNEL (General population)		Inhalation, Acute, Systemic effects	226 (mg/m <sup>3</sup> )
DNEL (Workers)		Inhalation, Acute, Local effects	384 (mg/m <sup>3</sup> )
DNEL (General population)		Inhalation, Acute, Local effects	226 (mg/m <sup>3</sup> )
DNEL (Workers)		Dermal, Long-term, Systemic effects	384 (mg/kg bw/day)
DNEL (General population)		Dermal, Long-term, Systemic effects	226 (mg/kg bw/day)

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	DNEL (General population)	Oral, Long-term, Systemic effects	8,13 (mg/kg bw/day)
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DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
ethyl acetate CAS No: 141-78-6 EC No: 205-500-4	aqua (freshwater)	0,24 (mg/L)
	aqua (marine water)	0,024 (mg/L)
	aqua (intermittent releases)	1,65 (mg/L)
	sediment (freshwater)	1,15 (mg/L)
	sediment (marine water)	0,115 (mg/L)
	Soil	0,148 (mg/kg soil dw)
	STP	650 (mg/L)
	oral (Hazard for predators)	0,2 (g/kg food)
n-butyl acetate CAS No: 123-86-4 EC No: 204-658-1	aqua (freshwater)	0,18 (mg/l)
	aqua (marine water)	0,018 (mg/l)
	aqua (intermittent releases)	0,36 (mg/l)
	STP	35,6 (mg/l)
	sediment (freshwater)	0,981 (mg/kg sediment dw)
	sediment (marine water)	0,0981 (mg/kg sediment dw)
toluene CAS No: 108-88-3 EC No: 203-625-9	aqua (freshwater)	0,68 (mg/L)
	aqua (marine water)	0,68 (mg/L)
	aqua (intermittent releases)	0,68 (mg/L)
	STP	13,61 (mg/L)
	sediment (freshwater)	16,39 (mg/kg sediment dw)
	sediment (marine water)	16,39 (mg/kg sediment dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

### Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	<b>100 %</b>
<b>Uses:</b>	<b>Coating material for different surfaces</b>
<b>Breathing protection:</b>	
PPE:	Filter mask for protection against gases and particles.
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.
CEN standards:	EN 136, EN 140, EN 405
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.
Filter Type needed:	A2
<b>Hand protection:</b>	
PPE:	Protective gloves against chemicals.



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Characteristics:	«CE» marking, category III.		
CEN standards:	EN 374-1, EN 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
<b>Eye protection:</b>			
PPE:	Protective goggles with built-in frame.		
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
<b>Skin protection:</b>			
PPE:	Anti-static protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.		
PPE:	Anti-static safety footwear.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN ISO 20344, EN ISO 20346		
Maintenance:	The footwear should be checked regularly		
Observations:	The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.		

### Section 9: Physical and Chemical Properties.

#### Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour

Colour: See Technical Data Sheet

Odour: With solvent

Odour threshold: N.A./N.A.

pH: N.A./N.A.

Melting point/freezing point: > < 0 °C

Initial boiling point or boiling range: > 60 °C

Flash point: > 18 °C

Evaporation rate: N.A./N.A.

Flammability (solid, gas): N.A./N.A.

Lower Explosive Limit: 0,8% Aprox.

Upper Explosive Limit: N.A./N.A.

Vapour pressure: N.A./N.A.

Vapour density: Bigger than the air

Relative density: 1.420

Solubility: In solvents

Liposolubility: Miscible

Hydrosolubility: Partially miscible

Partition coefficient (n-octanol/water): N.A./N.A.

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Auto-ignition temperature: N.A./N.A.  
Decomposition temperature: N.A./N.A.  
Viscosity: See Technical Data Sheet  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

### Other information.

Explosive properties: Not Explosive, but may form explosive mixtures with air  
Oxidizing properties: Non-Oxidizing (Except Catalyst)

Pour point: N.A./N.A.  
Blink: N.A./N.A.  
Kinematic viscosity: N.A./N.A.  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

## Section 10: Stability and Reactivity.

### Reactivity.

The product does not present hazards by their reactivity.

### Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### Conditions to avoid.

Avoid any improper handling.

### Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

### Hazardous decomposition products.

No decomposition if used for the intended uses.

## Section 11: Toxicological Information.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### Information on toxicological effects.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

a) acute toxicity;  
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Dermal) = 7.757 mg/kg

b) skin corrosion/irritation;  
Product classified:  
Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;  
Based on available data, the classification criteria are not met.

d) respiratory or skin sensitisation;

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Not conclusive data for classification.

e) germ cell mutagenicity;  
Not conclusive data for classification.

f) carcinogenicity;  
Not conclusive data for classification.

g) reproductive toxicity;  
Product classified:  
Reproductive toxicant, Category 2: Suspected of damaging fertility or the unborn child.

h) STOT-single exposure;  
Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;  
Based on available data, the classification criteria are not met.

j) aspiration hazard;  
Based on available data, the classification criteria are not met.

**Substances present in the composition listed in the National Toxicology Program (NTP) Report on Carcinogens (RoC):**

Cas	Name	Listing in Roc

**Substances present in the composition listed in the International Agency for Research on Cancer (IARC) Monographs:**

CAS No.	Agent	*Group	Volume	Year	Additional information

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### Section 12: Ecological Information.

#### Ecotoxicity.

No information is available regarding the ecotoxicity of the substances present.

#### Persistence and degradability.

There is no information available on the degradability of the substances present.  
No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

#### Bioaccumulative potential.

**Information about the bioaccumulation of the substances present.**

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
ethyl acetate CAS No: 141-78-6      EC No: 205-500-4	0,73	-	-	Very low
n-butyl acetate CAS No: 123-86-4      EC No: 204-658-1	1,78	-	-	Very low

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toluene		2,73	-	-	Low
CAS No: 108-88-3	EC No: 203-625-9				

### Mobility in soil.

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

### Other adverse effects.

No information is available about other adverse effects for the environment.

## Section 13: Disposal Considerations.

### Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of the Resource Conservation and Recovery Act (RCRA) and the Resource Conservation and Recovery Act Information (RCRAInfo) regarding waste management.

## Section 14: Transport Information.

Transport following the rules of U.S. Department of transportation Pipeline and Hazardous Materials Safety Administration.

### In accordance with DOT

Not Dangerous Good.

### Regulations Concerning the International Carriage of Dangerous Goods by Road (ADR)

F-E,S-E

### UN number.

UN No: UN1263

### UN proper shipping name.

Description:

ADR: UN 1263, PAINT, 3, PG II, (D/E)

IMDG: UN 1263, PAINT, 3, PG II

ICAO/IATA: UN 1263, PAINT, 3, PG II

### Transport hazard class(es).

Class(es): 3

### Packing group.

Packing group: II

### Environmental hazards.

Marine pollutant: No

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

The product is not transported in bulk.

### Special precautions for user.

Labels: 3

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Hazard number: 33  
ADR LQ: 5 L  
IMDG LQ: 5 L  
ICAO LQ: 1 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.  
Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills):  
Proceed in accordance with point 6.

### Section 15: Regulatory Information.

#### Safety, health and environmental regulations specific for the product.

##### Volatiles organic compound (VOC)

VVOC content (p/p): 0 %  
VVOC content: 0 g/l  
VOC content (p/p): 29.567 %  
VOC content: 419.85 g/l  
SVOC content (p/p): 0 %  
SVOC content: 0 g/l  
VVOC: Very volatile organic compounds.  
VOC: Volatile organic compounds.  
SVOC: Semi volatile organic compounds.

##### Europe:

VOC content (p/p): 29,567 %  
VOC content: 419,85 g/l

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
1330-20-7	xylene	Registered
141-78-6	ethyl acetate	Registered
123-86-4	n-butyl acetate	Registered
108-88-3	toluene	Registered

The product is not affected by the procedure established by the Rotterdam Convention, concerning the export and import of dangerous chemicals.

#### The Superfund Amendments and Reauthorization Act (SARA).

SARA Title III and it sets requirements for local and state emergency planning around hazardous chemicals, the right of the public to access information on chemical hazards in their community, and the reporting responsibilities for facilities that use, store, and / or release hazardous chemicals.

SARA Title III has four provisions (any facility with responsibilities under one section will likely have additional responsibilities under another section, consult SARA for more information):

- Emergency Planning (Sections 301-303)
- Emergency Release Notification (Section 304)
- Hazardous Chemical Storage Reporting Requirements (Section 311-312)
- Toxic Chemical Release Inventory (Section 313)

Information related to the product:

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Section 302, Extremely Hazardous Substances (EHSs)(40 CFR part 355 Appendix A and Appendix B) and section 304, in the event of an accidental chemical release that exceeds minimal Reportable Quantity (RQ):

Not Applicable.

Section 311, Requires facilities with hazardous chemicals in quantities above certain thresholds (consult OSHA for more information) to provide copies of the SDSs for those chemicals to the State Emergency Response Commission (SERC), Local Emergency Planning Committee (LEPC) and local fire department.

Section 312, Companies with chemicals in sufficient quantities to trigger obligations under Section 311 must also submit an annual emergency and hazardous chemical inventory form to the State Emergency Response Commission (SERC), Local Emergency Planning Committee (LEPC) and local fire department

Section 313, requires facilities with 10 or more employees that use certain toxic chemicals in quantities above threshold levels to report annually on the use, release and disposal of those chemicals, substances identified in section 3:

Not Applicable.

Visit the EPA's website for the most up-to-date information on EPCRA and other environmental considerations.

### Proposition 65 warnings

Information related to The Safe Drinking Water and Toxic Enforcement Act of 1986, (better known by its original name of Proposition 65):

There are no substances in section 3 present in the list of chemicals that can cause cancer, birth defects or other reproductive harm (Proposition 65 List).

Canada DSL/NDSL Inventory Registration Status			
CAS No	Name	State DSL	State NDSL
1330-20-7	xylene	Yes	Not
141-78-6	ethyl acetate	Yes	Not
123-86-4	n-butyl acetate	Yes	Not
108-88-3	toluene	Yes	Not

### Section 16: Other Information.

Complete text of the hazard statement(s) that appear 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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

Classification codes:

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Acute Tox. 4 : Acute toxicity (Dermal), Category 4  
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4  
Asp. Tox. 1 : Aspiration toxicity, Category 1  
Eye Irrit. 2 : Eye irritation, Category 2  
Flam. Liq. 2 : Flammable liquid, Category 2  
Flam. Liq. 3 : Flammable liquid, Category 3  
Repr. 2 : Reproductive toxicant, Category 2  
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2  
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3  
Skin Irrit. 2 : Skin irritant, Category 2

### **Classification and procedure used to derive the classification for mixtures according to The Hazard Communication Standard (HCS) (29 CFR 1910.1200):**

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

#### Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
BCF: Bioconcentration factor.  
CEN: European Committee for Standardization.  
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.  
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.  
EC50: Half maximal effective concentration.  
PPE: Personal protection equipment.  
IATA: International Air Transport Association.  
ICAO: International Civil Aviation Organization.  
IMDG: International Maritime Code for Dangerous Goods.  
LC50: Lethal concentration, 50%.  
LD50: Lethal dose, 50%.  
Log Pow: Logarithm of the partition octanol-water.  
NOEC: No observed effect concentration.  
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.  
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

#### Key literature references and sources for data:

The Hazard Communication Standard (HCS) (29 CFR 1910.1200)  
United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)  
<https://www.osha.gov>  
<https://www.epa.gov/>  
<http://echa.europa.eu/>

The information given in this Safety Data Sheet has been drafted in accordance with The Hazard Communication Standard (HCS) (29 CFR 1910.1200) and United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Employers must ensure that the SDSs are readily accessible to employees for all hazardous chemicals in their workplace.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.