

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Trade name or designation of the mixture** Gamblin Oil Painting Ground  
**Registration number** -  
**Synonyms** None.  
**Issue date** 25-March-2020  
**Version number** 03  
**Revision date** 07-January-2021  
**Supersedes date** 22-September-2020

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

**Identified uses** Fine art painting and decorative coatings.  
**Uses advised against** Keep out of reach of children.

**1.3. Details of the supplier of the safety data sheet**

**Supplier** Gamblin Artists Colors  
2734 SE Raymond St.  
Portland, OR 97202  
USA  
**Telephone number** +1 503-235-1945  
**Website** www.gamblincolors.com

**Manufacturer** Gamblin Artists Colors  
2734 SE Raymond St.  
Portland, OR 97202  
USA

**Telephone number** +1 503-235-1945

**1.4 Emergency telephone number** For Chemical Emergency ONLY, call:  
+1 503-235-1945

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Regulation (EC) No 1272/2008 as amended**

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

**Hazard summary** Prolonged exposure may cause chronic effects. Not classified for health hazards.

**2.2. Label elements****Label according to Regulation (EC) No. 1272/2008 as amended**

**Contains:** Limestone, Linseed Oil, Propylene glycol, Titanium dioxide  
**Hazard pictograms** None.  
**Signal word** None.  
**Hazard statements** The mixture does not meet the criteria for classification.

**Precautionary statements**

**Prevention** Observe good industrial hygiene practices.  
**Response** Wash hands after handling.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Supplemental label information** None.

### 2.3. Other hazards

MSDS for #01536 - PAINTING GROUND

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	EC No.	REACH Registration No.	Notes
Titanium dioxide	25 - 30	236-675-5	-	
<b>Classification: -</b>				
Alkyd resin	20 - 30	Proprietary	-	
<b>Classification: -</b>				
Limestone	20 - 30	215-279-6	-	
<b>Classification: -</b>				
Petroleum Naptha	5 - 15	920-901-0	-	
<b>Classification: Flam. Liq. 4;H227, Asp. Tox. 1;H304</b>				P
Linseed Oil	5 - 8	232-278-6	-	
<b>Classification: -</b>				
Propylene glycol	0,1 - ,2	200-338-0	-	
<b>Classification: -</b>				

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

#### Composition comments

The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 4.1. Description of first aid measures

##### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

##### Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

##### Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

##### Ingestion

Rinse mouth. Get medical attention if symptoms occur.

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

Coughing.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

#### General fire hazards

No unusual fire or explosion hazards noted.

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol resistant foam. Powder. Carbon dioxide (CO2).

##### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures**

Move containers from fire area if you can do so without risk.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

**For emergency responders**

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up**

Use water spray to reduce vapours or divert vapour cloud drift.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

**6.4. Reference to other sections**

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid prolonged exposure. Observe good industrial hygiene practices.

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

Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

**7.3. Specific end use(s)**

Fine art painting and decorative coatings.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**Austria. MAK List Components**

Components	Type	Value	Form
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	MAK	4 mg/m <sup>3</sup>	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	MAK	5 mg/m <sup>3</sup>	Respirable dust.
	STEL	10 mg/m <sup>3</sup>	Respirable dust.

**Belgium. Exposure Limit Values Components**

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	10 mg/m <sup>3</sup>	
Linseed Oil (CAS 8001-26-1)	TWA	10 mg/m <sup>3</sup>	Mist.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Components**

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	1 fibers/cm <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Inhalable fraction.
		10 mg/m <sup>3</sup>	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
		0,07 mg/m <sup>3</sup>	Respirable fraction.

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Respirable dust.
<b>Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	MAC	4 mg/m3	Respirable dust.
Linseed Oil (CAS 8001-26-1)	MAC	10 mg/m3	Total dust.
Linseed Oil (CAS 8001-26-1)	MAC	400 mg/m3	
Propylene glycol (CAS 57-55-6)	MAC	100 ppm	
Propylene glycol (CAS 57-55-6)	MAC	10 mg/m3	
Propylene glycol (CAS 57-55-6)	MAC	150 ppm	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	MAC	6 mg/m3	Total dust.
Titanium dioxide (CAS 13463-67-7)	MAC	0,1 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	MAC	4 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	MAC	10 mg/m3	Total dust.
<b>Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.</b>			
Components	Type	Value	Form
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	2 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
<b>Czech Republic. OELs. Government Decree 361</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	Dust.
Linseed Oil (CAS 8001-26-1)	TWA	2 mg/m3	Dust.
Petroleum Naptha (CAS 64742-48-9)	Ceiling	1000 mg/m3	
Petroleum Naptha (CAS 64742-48-9)	TWA	200 mg/m3	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	4 mg/m3	Dust.
<b>Denmark. Exposure Limit Values</b>			
Components	Type	Value	Form
Petroleum Naptha (CAS 64742-48-9)	TLV	25 ppm	
Titanium dioxide (CAS 13463-67-7)	TLV	6 mg/m3	
<b>Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended</b>			
Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	
<b>Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	5 mg/m3	Respirable dust.
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	
Petroleum Naptha (CAS 64742-48-9)	STEL	300 mg/m3	
Petroleum Naptha (CAS 64742-48-9)	TWA	50 ppm	
Petroleum Naptha (CAS 64742-48-9)	TWA	150 mg/m3	

Components	Type	Value	Form
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	25 ppm 2 mg/m3	Fine dust, respiratory fraction
<b>Finland. Workplace Exposure Limits</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	Dust.
Petroleum Naptha (CAS 64742-48-9)	TWA	500 mg/m3	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	5 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Dust.
<b>France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984</b>			
Components	Type	Value	
Limestone (CAS 1317-65-3)	VME	10 mg/m3	
<b>Regulatory status:</b> Indicative limit (VL)			
Titanium dioxide (CAS 13463-67-7)	VME	10 mg/m3	
<b>Regulatory status:</b> Indicative limit (VL)			
<b>Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)</b>			
Components	Type	Value	Form
Petroleum Naptha (CAS 64742-48-9)	TWA	300 mg/m3	
		50 ppm	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	4 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	0,3 mg/m3	Respirable fraction.
<b>Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace</b>			
Components	Type	Value	Form
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	AGW	4 mg/m3	Inhalable fraction.
<b>Greece. OELs (Decree No. 90/1999, as amended)</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	5 mg/m3 10 mg/m3	Respirable. Inhalable
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3 10 mg/m3	Respirable. Inhalable
<b>Hungary. OELs. Joint Decree on Chemical Safety of Workplaces</b>			
Components	Type	Value	
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	
<b>Iceland. OELs. Regulation 154/1999 on occupational exposure limits</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	5 mg/m3 10 mg/m3 0,5 mg/m3	Respirable dust. Total dust. Dust.

Components	Type	Value	Form
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
		0,5 mg/m3	Dust.
Titanium dioxide (CAS 13463-67-7)	TWA	6 mg/m3	
<b>Ireland. Occupational Exposure Limits</b>			
Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Propylene glycol (CAS 57-55-6)	TWA	470 mg/m3	Total vapour and particulates.
		10 mg/m3	Particulate.
		150 ppm	Total vapour and particulates.
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	6 mg/m3	Total inhalable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	2,4 mg/m3	Respirable dust.
		4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
<b>Italy. OELs</b>			
Components	Type	Value	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
<b>Latvia. OELs. Occupational exposure limit values of chemical substances in work environment</b>			
Components	Type	Value	
Propylene glycol (CAS 57-55-6)	TWA	7 mg/m3	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	1 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
<b>Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)</b>			
Components	Type	Value	Form
Linseed Oil (CAS 8001-26-1)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Propylene glycol (CAS 57-55-6)	TWA	7 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	
<b>Norway. Administrative Norms for Contaminants in the Workplace</b>			
Components	Type	Value	Form
Propylene glycol (CAS 57-55-6)	TLV	79 mg/m3	
		25 ppm	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TLV	1,5 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TLV	5 mg/m3	

Components	Type	Value	Form
Petroleum Naptha (CAS 64742-48-9)	STEL	900 mg/m3	
	TWA	300 mg/m3	
Propylene glycol (CAS 57-55-6)	TWA	100 mg/m3	Inhalable fraction and vapour.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Inhalable fraction.

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	STEL	15 mg/m3	
	TWA	10 mg/m3	

**Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents**

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	0,3 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value	Form
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	4 mg/m3	Inhalable fraction.

**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

Components	Type	Value	Form
Petroleum Naptha (CAS 64742-48-9)	STEL	300 mg/m3	
	TWA	50 ppm	
		150 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	25 ppm	
		5 mg/m3	Total dust.

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
Petroleum Naptha (CAS 64742-48-9)	STEL	600 mg/m3	
	TWA	100 ppm	
		300 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	50 ppm	
		3 mg/m3	Respirable dust.

Component	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	4 mg/m <sup>3</sup>	Respirable dust.
		4 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Inhalable
		10 mg/m <sup>3</sup>	Inhalable dust.
Propylene glycol (CAS 57-55-6)	TWA	474 mg/m <sup>3</sup>	Total vapour and particulates.
		10 mg/m <sup>3</sup>	Particulate.
		150 ppm	Total vapour and particulates.
Silica, amorphous, fumed, cryst.-free (CAS 112945-52-5)	TWA	6 mg/m <sup>3</sup>	Inhalable dust.
		2,4 mg/m <sup>3</sup>	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Inhalable

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**8.2. Exposure controls**

**Appropriate engineering controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**General information** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

- Hand protection Wear suitable gloves.
- Other Wear appropriate chemical resistant clothing.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

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

#### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Paste.
<b>Colour</b>	White.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.



<b>Flash point</b>	65,0 °C (149,0 °F) Pensky-Martens Closed Cup
<b>Evaporation rate</b>	< 1
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	> 1
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Negligible.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.
<b>9.2. Other information</b>	No relevant additional information available.

**SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Acids. Fluorine.
<b>10.6. Hazardous decomposition products</b>	No hazardous decomposition products are known.

**SECTION 11: Toxicological information**

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Prolonged skin contact may cause temporary irritation.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Symptoms</b>	Exposure may cause temporary irritation, redness, or discomfort.

**11.1. Information on toxicological effects**

**Acute toxicity**

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Petroleum Naptha (CAS 64742-48-9)		
<b>Acute</b>		
<b>Dermal</b>		
<i>Liquid</i>		
LD50	Rabbit	> 5000 mg/kg
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	> 5000 mg/m³, 4 hr
<b>Oral</b>		
<i>Liquid</i>		
LD50	Rat	> 5000 mg/kg

Components	Species	Test Results
<b>Propylene glycol (CAS 57-55-6)</b>		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	20800 mg/kg
<b>Oral</b>		
LD50	Rat	22000 mg/kg
Titanium dioxide (CAS 13463-67-7)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>	Risk of cancer cannot be excluded with prolonged exposure. This product is not classified as a carcinogen.	
<b>Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)</b>		
Petroleum Naptha (CAS 64742-48-9)		
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Petroleum Naptha (CAS 64742-48-9)		3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide (CAS 13463-67-7)		2B Possibly carcinogenic to humans.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Mixture versus substance information</b>	No information available.	
<b>Other information</b>	Not available.	

**SECTION 12: Ecological information**

**12.1. Toxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Components	Species	Test Results
<b>Petroleum Naptha (CAS 64742-48-9)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	ELO	Pseudokirchnerella subcapitata 1000 mg/l, 72 hr
	NOELR	Pseudokirchnerella subcapitata 1000 mg/l, 72 hr
Crustacea	ELO	Daphnia magna 1000 mg/l, 48 hr
Fish	LL0	Oncorhynchus mykiss 1000 mg/l, 96 hr
<i>Chronic</i>		
Crustacea	NOELR	Daphnia magna 1 mg/l, 21 d
<b>Propylene glycol (CAS 57-55-6)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Selenastrum capricornutum 19000 mg/l, 72 hours
Crustacea	LC50	Ceriodaphnia 18340 mg/l, 48 hours
Fish	LC50	Pimephales promelas 46500 mg/l, 96 hours

**Aquatic**

*Acute*

Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 Hours
Fish	LL50	Oryzias latipes	> 100 mg/l, 96 Hours

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential**

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** The product is insoluble in water.

**12.5. Results of PBT and vPvB assessment** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Residual waste** Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Special precautions** Dispose in accordance with all applicable regulations.

**SECTION 14: Transport information**

**ADR**

14.1. - 14.6.: Not regulated as dangerous goods.

**RID**

14.1. - 14.6.: Not regulated as dangerous goods.

**ADN**

14.1. - 14.6.: Not regulated as dangerous goods.

**IATA**

14.1. - 14.6.: Not regulated as dangerous goods.

**IMDG**

14.1. - 14.6.: Not regulated as dangerous goods.

**14.7. Transport in bulk** Not established.

**according to Annex II of MARPOL 73/78 and the IBC Code**

**SECTION 15: Regulatory information**

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

**EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**  
 Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**  
 Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**  
 Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**  
 Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**  
 Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**  
 Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

**Authorisations**

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

**Restrictions on use**

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Petroleum Naptha (CAS 64742-48-9)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Petroleum Naptha (CAS 64742-48-9)

**Other EU regulations**

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

**Other regulations**

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

**National regulations**

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**List of abbreviations**

PBT: Persistent, bioaccumulative and toxic.  
EC50: Effective Concentration, 50%.  
EL0: Effective level, 0%.  
IC50: Inhibitory concentration, 50%.  
LC50: Lethal Concentration, 50%.  
LD50: Lethal Dose, 50%.  
LL0: Lethal level, 0%.  
NOELR: No Observed Effect Loading Rate  
PEL: Permissible Exposure Limit.  
TWA: Time Weighted Average Value.  
vPvB: Very persistent and very bioaccumulative.

Not available.

**References**

**Information on evaluation method leading to the classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any H-statements not written out in full under Sections 2 to 15**

H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.

**Training information**

Follow training instructions when handling this material.

**Disclaimer**

The information in this Safety Data Sheet has been obtained from current and reliable sources. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss injury, damage, or expense resulting from improper use of this product.