

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name or designation of the mixture	Ideapaint Dry Erase Markers
Registration number	-
Synonyms	None.
Product code	October 2014
Issue date	05-January-2015
Version number	02
Revision date	16-August-2019
Supersedes date	

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

Identified uses	Dry Erase Markers
Uses advised against	None known.

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

Manufacturer/Supplier	IdeaPaint One Beacon Street, Suite 1500 Boston, MA 02108 United States
Telephone number	617.714.1050
e-mail	marty@ideapaint.com
Contact person	IdeaPaint
Emergency	1-760-476-3961 Access Code: 333641

## 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 Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

#### 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

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	None known.
Main symptoms	Direct contact with eyes may cause temporary irritation.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

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 None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Polyethylene	60	9002-88-4	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Polypropylene	20	9003-07-0	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Isopropyl alcohol	6	67-63-0 200-661-7	-	603-117-00-0	
<b>Classification:</b>					
<b>DSD:</b>	F;R11, Xi;R36, R67				
<b>CLP:</b>	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				
Ethyl alcohol	4	64-17-5 200-578-6	-	603-002-00-5	
<b>Classification:</b>					
<b>DSD:</b>	F;R11				
<b>CLP:</b>	Flam. Liq. 2;H225				
Titanium Dioxide	4	13463-67-7 236-675-5	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Ethyl Ester	2	91031-48-0 292-951-5	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
Pigment	2	N/A	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				

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

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#### Composition comments

The full text for all R- and H-phrases is displayed in section 16.

## SECTION 4: First aid measures

#### General information

Get medical attention if any discomfort develops.

#### 4.1. Description of first aid measures

##### Inhalation

Move person to fresh air. Get medical attention if discomfort develops or persists.

##### Skin contact

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

##### Eye contact

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

##### Ingestion

Rinse mouth thoroughly with water. Get medical attention if irritation develops and persists. Do not induce vomiting unless told to do so by a poison control center or doctor.

- 4.2. Most important symptoms and effects, both acute and delayed** Direct contact with eyes may cause temporary irritation.
- 4.3. Indication of any immediate medical attention and special treatment needed** In case of shortness of breath, give oxygen. Keep victim warm.

## SECTION 5: Firefighting measures

- General fire hazards** The product is not flammable.
- 5.1. Extinguishing media**
- Suitable extinguishing media** Use any media suitable for the surrounding fires.
- Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.
- 5.2. Special hazards arising from the substance or mixture** By heating and fire, irritating vapours/gases may be formed.
- 5.3. Advice for firefighters**
- Special protective equipment for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.
- Special fire fighting procedures** Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply.

## SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**
- For non-emergency personnel** Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up.
- For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.
- 6.2. Environmental precautions** Avoid discharge into drains, water courses or onto the ground.
- 6.3. Methods and material for containment and cleaning up** The product is immiscible with water and will spread on the water surface.
- 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. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** Avoid inhalation of vapours and contact with skin and eyes. Observe good industrial hygiene practices. Use Personal Protective Equipment recommended in section 8 of the SDS.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep in a well-ventilated place. Keep container tightly closed. Keep this material away from food, drink and animal feed. Use care in handling/storage.
- 7.3. Specific end use(s)** Dry Erase Markers

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria. MAK List

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	Ceiling	3800 mg/m <sup>3</sup>	
		2000 ppm	
	MAK	1900 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)		1000 ppm	
	MAK	500 mg/m <sup>3</sup>	

**Austria. MAK List**

Components	Type	Value	Form
Titanium Dioxide (CAS 13463-67-7)		200 ppm	
	STEL	2000 mg/m <sup>3</sup>	
	MAK	800 ppm	Respirable dust.
	STEL	5 mg/m <sup>3</sup>	Respirable dust.

**Belgium. Exposure Limit Values.**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	TWA	1907 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	STEL	1000 ppm	
		1000 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)		400 ppm	
	TWA	500 mg/m <sup>3</sup>	
		200 ppm	
	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	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	TWA	1000 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>	
Polyethylene (CAS 9002-88-4)	TWA	980 mg/m <sup>3</sup>	
	TWA	10 mg/m <sup>3</sup>	Dust.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	Respirable dust.

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	MAC	1900 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	MAC	1000 ppm	
		999 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)		400 ppm	
	STEL	1250 mg/m <sup>3</sup>	
		500 ppm	
	STEL	4 mg/m <sup>3</sup>	Respirable dust.
		10 mg/m <sup>3</sup>	Total dust.

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

Components	Type	Value	Form
Isopropyl alcohol (CAS 67-63-0)	TWA	980 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)		400 ppm	
	TWA	10 mg/m <sup>3</sup>	

**Czech Republic. OELs. Government Decree 361**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	Ceiling	3000 mg/m <sup>3</sup>	
	TWA	1000 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	Ceiling	1000 mg/m <sup>3</sup>	
Polyethylene (CAS 9002-88-4)	TWA	500 mg/m <sup>3</sup>	
	TWA	5 mg/m <sup>3</sup>	Dust.
Polypropylene (CAS 9003-07-0)	TWA	5 mg/m <sup>3</sup>	Dust.

**Denmark. Exposure Limit Values**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	TLV	1900 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (CAS 67-63-0)	TLV	490 mg/m <sup>3</sup> 200 ppm
Titanium Dioxide (CAS 13463-67-7)	TLV	6 mg/m <sup>3</sup>

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m <sup>3</sup> 1000 ppm
	TWA	1000 mg/m <sup>3</sup> 500 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	600 mg/m <sup>3</sup> 250 ppm
	TWA	350 mg/m <sup>3</sup> 150 ppm
Titanium Dioxide (CAS 13463-67-7)	TWA	5 mg/m <sup>3</sup>

**Finland. Workplace Exposure Limits**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	2500 mg/m <sup>3</sup> 1300 ppm
	TWA	1900 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	620 mg/m <sup>3</sup> 250 ppm
	TWA	500 mg/m <sup>3</sup> 200 ppm

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	VLE	9500 mg/m <sup>3</sup> 5000 ppm
	VME	1900 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (CAS 67-63-0)	VLE	980 mg/m <sup>3</sup> 400 ppm
Titanium Dioxide (CAS 13463-67-7)	VME	10 mg/m <sup>3</sup>

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	TWA	960 mg/m <sup>3</sup> 500 ppm
Isopropyl alcohol (CAS 67-63-0)	TWA	500 mg/m <sup>3</sup> 200 ppm

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	AGW	960 mg/m <sup>3</sup> 500 ppm	
Isopropyl alcohol (CAS 67-63-0)	AGW	500 mg/m <sup>3</sup> 200 ppm	

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value	Form
Titanium Dioxide (CAS 13463-67-7)	AGW	10 mg/m <sup>3</sup>	Inhalable fraction.
		1,25 mg/m <sup>3</sup>	Respirable fraction.

**Greece. OELs (Decree No. 90/1999, as amended)**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup> 1000 ppm	
Isopropyl alcohol (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>	
	TWA	500 ppm 980 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)	TWA	400 ppm 5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Inhalable

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	7600 mg/m <sup>3</sup>
	TWA	1900 mg/m <sup>3</sup>
Isopropyl alcohol (CAS 67-63-0)	STEL	2000 mg/m <sup>3</sup>
	TWA	500 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup> 1000 ppm
		490 mg/m <sup>3</sup>
Titanium Dioxide (CAS 13463-67-7)	TWA	200 ppm 6 mg/m <sup>3</sup>

**Ireland. Occupational Exposure Limits**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm	
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Titanium Dioxide (CAS 13463-67-7)	TWA	4 mg/m <sup>3</sup>	Respirable dust.
		10 mg/m <sup>3</sup>	Total inhalable dust.

**Italy. OELs**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	TWA	1000 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	STEL	600 mg/m <sup>3</sup>	
	TWA	350 mg/m <sup>3</sup>	
Polyethylene (CAS 9002-88-4)	TWA	5 mg/m <sup>3</sup>	Dust.

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value	Form
Polypropylene (CAS 9003-07-0)	TWA	5 mg/m <sup>3</sup>	Dust.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m <sup>3</sup> 1000 ppm
	TWA	1000 mg/m <sup>3</sup> 500 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	600 mg/m <sup>3</sup> 250 ppm
	TWA	350 mg/m <sup>3</sup> 150 ppm
Polyethylene (CAS 9002-88-4)	TWA	10 mg/m <sup>3</sup>
Polypropylene (CAS 9003-07-0)	TWA	10 mg/m <sup>3</sup>
Titanium Dioxide (CAS 13463-67-7)	TWA	5 mg/m <sup>3</sup>

**Netherlands. OELs (binding)**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m <sup>3</sup>
	TWA	260 mg/m <sup>3</sup>

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	TLV	950 mg/m <sup>3</sup> 500 ppm
	TLV	245 mg/m <sup>3</sup>
Isopropyl alcohol (CAS 67-63-0)	TLV	100 ppm
	TLV	5 mg/m <sup>3</sup>

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	STEL	1200 mg/m <sup>3</sup>	
	TWA	900 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)	STEL	30 mg/m <sup>3</sup>	
	TWA	10 mg/m <sup>3</sup>	Total dust.

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

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	TWA	1000 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>

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

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	9500 mg/m <sup>3</sup> 5000 ppm
	TWA	1900 mg/m <sup>3</sup>

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

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	1000 ppm 500 mg/m <sup>3</sup>
	TWA	203 ppm 200 mg/m <sup>3</sup> 81 ppm
Titanium Dioxide (CAS 13463-67-7)	STEL	15 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>

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

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	TWA	960 mg/m <sup>3</sup> 500 ppm
Isopropyl alcohol (CAS 67-63-0)	TWA	500 mg/m <sup>3</sup> 200 ppm
Titanium Dioxide (CAS 13463-67-7)	TWA	5 mg/m <sup>3</sup>

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1920 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup> 400 ppm

**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
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (CAS 67-63-0)	TWA	500 mg/m <sup>3</sup> 200 ppm

**Spain. Occupational Exposure Limits**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1910 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup> 400 ppm
	TWA	500 mg/m <sup>3</sup> 200 ppm
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>

**Sweden. Occupational Exposure Limit Values**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m <sup>3</sup> 1000 ppm	
	TWA	1000 mg/m <sup>3</sup> 500 ppm	
	STEL	600 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)	TWA	250 ppm 350 mg/m <sup>3</sup>	
	TWA	150 ppm	
Titanium Dioxide (CAS 13463-67-7)	TWA	5 mg/m <sup>3</sup>	Total dust.



**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	STEL	1920 mg/m <sup>3</sup>	
		1000 ppm	
	TWA	960 mg/m <sup>3</sup>	
Isopropyl alcohol (CAS 67-63-0)		500 ppm	
	STEL	1000 mg/m <sup>3</sup>	
		400 ppm	
Titanium Dioxide (CAS 13463-67-7)		500 mg/m <sup>3</sup>	
	TWA	200 ppm	Respirable dust.
		3 mg/m <sup>3</sup>	

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
Ethyl alcohol (CAS 64-17-5)	TWA	1920 mg/m <sup>3</sup>	
		1000 ppm	
Isopropyl alcohol (CAS 67-63-0)	STEL	1250 mg/m <sup>3</sup>	
		500 ppm	
	TWA	999 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)		400 ppm	
	TWA	4 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Inhalable

**Biological limit values****Germany. TRGS 903, BAT List (Biological Limit Values)**

Components	Value	Determinant	Specimen	Sampling time
Isopropyl alcohol (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

\* - For sampling details, please see the source document.

**Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4**

Components	Value	Determinant	Specimen	Sampling time
Isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetona	Urine	*

\* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

Components	Value	Determinant	Specimen	Sampling time
Isopropyl alcohol (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

\* - For sampling details, please see the source document.

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

**Derived no-effect level (DNEL)** Not available.

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

**Exposure guidelines** Follow standard monitoring procedures.

**8.2. Exposure controls**

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) 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 protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Risk of splashes: Wear chemical goggles.

<b>Skin protection</b>	
- <b>Hand protection</b>	Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
- <b>Other</b>	Risk of splashes: Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Launder contaminated clothing before reuse. Remove and isolate contaminated clothing and shoes.
<b>Environmental exposure controls</b>	Environmental manager must be informed of all major spillages.

## SECTION 9: Physical and chemical properties

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

#### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	White & Color.
<b>Odour</b>	Slight alcohol.
<b>Odour threshold</b>	Not available.
<b>pH</b>	8,5 - 9,5 (100 g/l)
<b>pH Temperature</b>	20 °C (68 °F)
<b>Melting point/freezing point</b>	180 °C (356 °F) (102 bar)
<b>Initial boiling point and boiling range</b>	180 °C (356 °F) (102 bar)
<b>Flash point</b>	180,0 °C (356,0 °F) (102 bar)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<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>	Not available.
<b>Relative density</b>	1,3
<b>Relative density temperature</b>	20 °C (68 °F)
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	< 1 (estimation)
<b>Auto-ignition temperature</b>	160 °C (320 °F) (102 bar)
<b>Decomposition temperature</b>	200 °C (392 °F) (102 bar)
<b>Viscosity</b>	2000 cP
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<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 heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the decomposition temperature. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Acids. Strong oxidising agents.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

**Information on likely routes of exposure**

**Inhalation** No adverse effects due to inhalation are expected.  
**Skin contact** No adverse effects due to skin contact are expected.  
**Eye contact** Direct contact with eyes may cause temporary irritation.  
**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms** Direct contact with eyes may cause temporary irritation.

**11.1. Information on toxicological effects**

**Acute toxicity** Not expected to be acutely toxic.

Components	Species	Test results
Isopropyl alcohol (CAS 67-63-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12800 mg/kg
<i>Oral</i>		
LD50	Rat	4,7 g/kg
Polyethylene (CAS 9002-88-4)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	9,44 mg/l, 4 hours, No data is available for this product. The data is for polyethylene (Ethylene Homo-polymer).
<i>Oral</i>		
LD50	Rat	> 3000 mg/kg, No data is available for this product. The data is for polyethylene (Ethylene Homo-polymer).

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory sensitisation** Based on available data, the classification criteria are not met.

**Skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Polyethylene (CAS 9002-88-4) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Due to partial or complete lack of data the classification is not possible.

**Mixture versus substance information** No information available.

**Other information** Not available.

**SECTION 12: Ecological information**

**12.1. Toxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test results
Isopropyl alcohol (CAS 67-63-0)		
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )
		> 1400 mg/l, 96 hours
* Estimates for product may be based on additional component data not shown.		
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>12.3. Bioaccumulative potential</b>		
<b>Partition coefficient n-octanol/water (log Kow)</b>		
Ideapaint Dry Erase Markers		< 1, Estimation
Isopropyl alcohol (CAS 67-63-0)		0,05
<b>Bioconcentration factor (BCF)</b>	Not available.	
<b>12.4. Mobility in soil</b>	The product is insoluble in water.	
<b>12.5. Results of PBT and vPvB assessment</b>	Not a PBT or vPvB substance or mixture.	
<b>12.6. Other adverse effects</b>	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

<b>Residual waste</b>	Dispose of 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).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended**  
Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended**  
Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended**  
Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended**  
Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**  
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**  
Isopropyl alcohol (CAS 67-63-0)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**  
Not listed.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**  
Not listed.

#### **Other EU regulations**

**Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances**  
Not listed.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**  
Isopropyl alcohol (CAS 67-63-0)

**Directive 94/33/EC on the protection of young people at work**  
Not listed.

#### **Other regulations**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

#### **National regulations**

Follow national regulation for work with chemical agents.

#### **15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

### **SECTION 16: Other information**

#### **List of abbreviations**

Not available.

#### **References**

Not available.

#### **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 statements or R-phrases and H-statements under Sections 2 to 15**

R11 Highly flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

#### **Training information**

Follow training instructions when handling this material.

#### **Disclaimer**

IdeaPaint cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.