

**1 Identification of the mixture and of the company**

**Identification of the mixture:** Vitra 413  
**Relevant identified uses of the mixture:** Material for XFAB  
**Details of the supplier of the Safety Data Sheet:**  
 DWS S.R.L. Via della meccanica 21 I-36016 Thiene – Vicenza – Italy  
 Tel. +39-0445810810 E-mail: support@dwssystems.com  
**Emergency telephone number:**  
 +39-0445810810 Opening hours: 8:00-18:00 (GMT+1)

**2 Hazards identification****Classification of the mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]**

Skin Irrit. 2, H315  
 Eye Irrit. 2, H319  
 Skin Sens. 1, H317

**Classification according to Directive 1999/45/EC**

Irritant Xi; R36/R38  
 Sensitising; R43

For full text of R-phrases: see Section 16

**Label elements**

Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictograms:



Signal word: **Warning**

Hazard statements: H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H317 May cause an allergic skin reaction  
 Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection/face protection

**3 Composition / information on ingredients****Description of the mixture: Mixture of multi-functional acrylic monomers****Hazardous ingredients:**

Name	CAS-No	%[weight]	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP)
Ester of Acrylic Acid	proprietary	95-99	Irritant:Xi R36/38 Sensitising: R43	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

**4 First aid measures**

**General advise:** Remove contaminated clothing.

**If inhaled:** Move affected person to fresh air.

**If on skin:** Wash with plenty of soap and water. If skin irritation or rash occurs: get medical attention.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention.

**If swallowed:** Rinse mouth. Do not induce vomiting.

**5 Fire fighting measures**

**Suitable extinguishing media:** Dry chemical, chemical foam, water.

**Hazardous Combustion products:** Carbon monoxide, carbon dioxide and nitrogen oxides.

**Fire fighting advice:** Wear full protective clothing including helmet and facemask.

**6 Accidental release measures**

Use appropriate Personal Protective Equipment during clean up.

Remove source of heat, sparks, flame, impact, friction or electricity. Dike spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material.

Liquid solidifies when exposed to sunlight or another ultraviolet light source. Solidify waste material before disposal.

**7 Handling and storage**

**Handling:** Prevent skin and eye contact. Wash thoroughly after handling.

**Storage:** Keep container tightly closed and in a cool place. Do not store or consume food, drink or smoke in areas where they may become contaminated with this material.

**8 Exposure controls and Personal protection****Generally Applicable Control Measure and Precautions:**

No exposure limits have been established for this mixture.

**Personal Protection Equipment:**

Use only with adequate ventilation. Wearing safety glasses is needed as part of good industrial hygiene work practices. Wear impervious gloves to avoid skin contact when handling the liquid resin. Once the liquid material has been exposed to ultraviolet light and thermally treated in accordance with specified methods, it becomes a solidified mass. Contact with the solidified material is not likely to be hazardous.

**9 Physical and chemical properties**

<b>Appearance:</b>	slightly yellow clear liquid	<b>Odour:</b>	slight acrylic
<b>pH:</b>	NA	<b>Melting point:</b>	<-18°C
<b>Initial boiling point:</b>	NA	<b>Flash point:</b>	> 200°C
<b>Evaporation rate:</b>	NA	<b>Flammability:</b>	NA
<b>Upper/Lower flammability:</b>	NA	<b>Vapour pressure:</b>	NA
<b>Vapor density:</b>	NA	<b>Specific gravity:</b>	1.12 at 25°C
<b>Water solubility:</b>	slight	<b>Partition coefficient:</b>	NA
<b>Auto-ignition temperature:</b>	NA	<b>Decomposition Temperature:</b>	NA
<b>Viscosity :</b>	600 mPa·s at 25°C		

**10 Stability and reactivity**

<b>Instability:</b>	Exposure to white light, ultraviolet light or excessive heat will cause the product to solidify.
<b>Incompatibility:</b>	Incompatible with strong oxidizers, acids or bases.
<b>Decomposition:</b>	Strong acids or bases may cause hydrolysis.
<b>Polymerization:</b>	Polymerization can occur. Conditions leading to polymerization are exposure to light or heat.

**11 Toxicological information**

<b>Acute toxicity:</b>	Oral:	no data available
	Inhalation:	no data available
	Dermal:	no data available
<b>Irritation/Corrosion:</b>	Skin:	irritating
	Eye:	irritating
<b>Sensitisation:</b>	Skin:	causes sensitization

**12 Ecological information**

<b>Toxicity:</b>	<b>Fish:</b>	no data available
	<b>Crustacea:</b>	no data available
	<b>Aquatic plants:</b>	no data available
	<b>Other organisms:</b>	no data available
<b>Persistence and degradability:</b>		no data available
<b>Bioaccumulative potential:</b>		no data available
<b>Mobility in soil:</b>		no data available
<b>Results of PBT and vPvB assessment:</b>		no data available

**13 Disposal considerations**

Do not contaminate drains, soil or surface waters with the material or its container.  
Avoid disposal. Attempt to utilize product completely.  
Dispose of in compliance with all applicable regulations. Prior to disposal of unused material, consult an approved waste disposal operative to ensure regulatory compliance.

**14 Transport information**

Keep container under the condition of 5-40°C while transporting.  
**IATA Information:** Not regulated as a dangerous good.  
**IMDG Information:** Not regulated as a hazardous material.  
**ADR Information:** Not regulated as a hazardous material.  
**RID Information:** Not regulated as a hazardous material.

**15 Regulatory information**

All components are listed or exempt from listing on the EINECS inventories.

**16 Other information**

Relevant R-phrases referred to in section 2 and 3

R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact

Key

ADR/RID = European Agreement of Dangerous Goods by Road/Rail  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
EINECS = European Inventory of Existing Commercial Chemical Substances

SDS information

SDS number : XE-005  
Date issued: March 22 2016  
Date revised : January 25, 2017  
Revision summary : address modified

Disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. DWS S.r.l. shall not be held liable for any damage resulting from handling or from contact with the product.