

## SECTION 1: Identification of the substance / preparation and of the company

### 1.1 Product identifier

**QuickFill Xpress 6000 Komp. A**

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

#### 1.2.1 Relevant uses

See product information.

#### 1.2.2 Uses advised against

None known.

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

**Company** Voelkel Industrie Produkte GmbH  
Frauenstrasse 31  
82216 Maisach / GERMANY  
Phone +49 (0) 8141 35 549 0  
Fax +49 (0) 8141 35 549 99  
Homepage [www.vip-gmbh.com](http://www.vip-gmbh.com)  
E-mail [info@vip-gmbh.com](mailto:info@vip-gmbh.com)

#### Address enquiries to

**Technical information** [info@vip-gmbh.com](mailto:info@vip-gmbh.com)

**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency phone

**Advisory body** +49 (0)89-19240 (24h) (english)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.

Carc. 2: H351 Suspected of causing cancer.

Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1: H317 May cause an allergic skin reaction.

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.

Skin Irrit. 2: H315 Causes skin irritation.

Eye Irrit. 2: H319 Causes serious eye irritation.

STOT SE 3: H335 May cause respiratory irritation.

Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

#### 2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Xn, carcinogen category 3 - R 40: Limited evidence of a carcinogenic effect.

Sensitizing. - R 42/43: May cause sensitisation by inhalation and skin contact.

Xn, Harmful - R 48/20: Harmful - danger of serious damage to health by prolonged exposure through inhalation.

Xi, Irritant - R 36/37/38: Irritating to eyes, respiratory system and skin.

N, Dangerous for the environment - R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Xn, Harmful - R 65: Harmful - may cause lung damage if swallowed.

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## 2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

### Labelling according to Regulation (EC) 1272/2008

#### Hazard pictograms



#### Signal word

DANGER

#### Contains:

4,4'-Methylenediphenyl diisocyanate  
 Naphthalene

#### Hazard statements

H304 May be fatal if swallowed and enters airways.  
 H351 Suspected of causing cancer.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H317 May cause an allergic skin reaction.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P260 Do not breathe vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P284 In case of inadequate ventilation wear respiratory protection.  
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P310 Immediately call a POISON CENTER/doctor.

#### Special labelling

EUH204 Contains isocyanates. May produce an allergic reaction.

## 2.3 Other hazards

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### Product-type:

The product is a mixture.

Range [%]	Substance
1 - < 20	Naphthalene
	CAS: 91-20-3, EINECS/ELINCS: 202-049-5, EU-INDEX: 601-052-00-2
	GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H302 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410
	EEC: N-Xn, R 22-40-50/53
15 - < 20	4,4'-Methylenediphenyl diisocyanate
	CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9
	GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317
	EEC: Xn, R 20-36/37/38-40-42/43-48/20
1 - < 10	Solvent naphtha (petroleum), heavy arom.
	CAS: 64742-94-5, EINECS/ELINCS: 265-198-5, EU-INDEX: 649-424-00-3
	GHS/CLP: Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411
	EEC: Xn-N, R 65-66-67-51/53

#### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
 For full text of H-statements and R-phrases: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. Remove the victim into fresh air and keep him calm. Consult a doctor immediately.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Consult a doctor immediately.

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

Irritant effects  
Allergic reactions  
Cough  
Vertigo  
Nausea, vomiting.  
Headache  
Tiredness  
Redness

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Dry powder. Carbon dioxide. Foam.
<b>Extinguishing media that must not be used</b>	Full water jet

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>).  
Hydrogen cyanide (HCN).  
Not combusted hydrocarbons.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.  
Wear full protective suit.  
Heat causes increase in pressure and risk of bursting - Keep away from the container.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.  
Use breathing apparatus if exposed to vapours/aerosol.  
Use personal protective equipment.  
Remove persons to safety.  
High risk of slipping due to leakage/spillage of product.

### **6.2 Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.  
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

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

Take up with absorbent material (e.g. general-purpose binder).  
Dispose of absorbed material in accordance within the regulations.

### **6.4 Reference to other sections**

See SECTION 8+13

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Use only in well-ventilated areas.  
Avoid spilling or spraying in enclosed areas.  
Vacuuming in situ required.  
Keep away from open flames, hot surfaces and sources of ignition.  
Do not eat, drink, smoke or take drugs at work.  
Take off contaminated clothing and wash before reuse.  
Showers and eye wash stations should be provided.  
Clean skin thoroughly after work, apply skin cream.  
Use barrier skin cream.

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

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with oxidizing agents.  
Keep away from water.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Keep in a cool place. Store in a dry place.  
Protect from heat/overheating and from sun.

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

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Range [%]	Substance
15 - < 20	4,4'-Methylenediphenyl diisocyanate
	CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9
	Long-term exposure: 0,02 mg/m <sup>3</sup> , as NCO, Sen
	Short-term exposure (15-minute): 0,07 mg/m <sup>3</sup>
1 - < 20	Naphthalene
	CAS: 91-20-3, EINECS/ELINCS: 202-049-5, EU-INDEX: 601-052-00-2
	Long-term exposure: 10 ppm, 50 mg/m <sup>3</sup> , H, TRGS 905 Canc.Cat.3, DFG, EU
1 - < 10	Solvent naphtha (petroleum), heavy arom.
	CAS: 64742-94-5, EINECS/ELINCS: 265-198-5, EU-INDEX: 649-424-00-3
	Long-term exposure: 500 mg/m <sup>3</sup>

#### Ingredients with occupational exposure limits to be monitored (EU)

Range [%]	Substance / EC LIMIT VALUES
1 - < 20	Naphthalene
	CAS: 91-20-3, EINECS/ELINCS: 202-049-5, EU-INDEX: 601-052-00-2
	Eight hours: 10 ppm, 50 mg/m <sup>3</sup>

### 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Using suitable discharges or exhaust ventilation.
<b>Eye protection</b>	safety glasses
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. Neoprene, >480 min (EN 374).
<b>Skin protection</b>	Protective overalls.
<b>Other</b>	Avoid contact with eyes and skin. Do not breathe vapour/spray. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	If ventilation insufficient, wear respiratory protection. Short term: filter apparatus, filter A.
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	liquid
Color	No information available.
Odor	mild aromatic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 148
Flash point [°C]	118
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,00 (20 °C / 68,0 °F)
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	reacts with water
Partition coefficient [n-octanol/water]	not determined
Viscosity	20 cps
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.  
Reactions with water.  
Reactions with alcohols.

### 10.4 Conditions to avoid

Warming  
Contact with moisture.

### 10.5 Incompatible materials

See SECTION 10.3.

## 10.6 Hazardous decomposition products

In the event of fire: See SECTION 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Range [%]	Substance
15 - < 20	4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
	LD50, dermal, Rabbit: > 9000 mg/kg.
	LD50, oral, Rat: > 5000 mg/kg.
	LC50, inhalative, Rat: 0,49 mg/l/4h (Lit.).
1 - < 20	Naphthalene, CAS: 91-20-3
	LD50, dermal, Rat: > 2500 mg/kg (IUCLID).
	LD50, oral, Rat: > 2000 mg/kg (IUCLID).
	LC50, inhalative, Rat: > 100 ppm(8h) (IUCLID).

<b>Serious eye damage/irritation</b>	Irritant
<b>Skin corrosion/irritation</b>	Irritant
<b>Respiratory or skin sensitisation</b>	Sensitizing.
<b>Specific target organ toxicity — single exposure</b>	May cause damage to organs through single exposure.
<b>Specific target organ toxicity — repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure through inhalation
<b>Mutagenicity</b>	not determined
<b>Reproduction toxicity</b>	not determined
<b>Carcinogenicity</b>	This product contains one or more substance(s) of categorie Carc. 2 (CLP).
<b>General remarks</b>	Toxicological data of complete product are not available. The product was classified on the basis of the calculation procedure of the preparation directive.

## SECTION 12: Ecological information

### 12.1 Toxicity

Range [%]	Substance
15 - < 20	4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
	EC50, (24h), Daphnia magna: 0,35 mg/L (Lit.).
	IC50, (72h), Desmodesmus subspicatus: 1,5 mg/L (Lit.).
1 - < 20	Naphthalene, CAS: 91-20-3
	LC50, (72h), Pimephales promelas: 6,08 mg/l (IUCLID).
	LC50, (24h), Pimephales promelas: 7,76 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 2,16 mg/l (IUCLID).

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	not determined

### 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

No information available.

#### 12.6 Other adverse effects

Ecological data of complete product are not available.

The product was classified on the basis of the calculation procedure of the preparation directive.

Do not discharge product unmonitored into the environment or into the drainage.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Dispose of as hazardous waste.  
For recycling, consult manufacturer.

##### Waste no. (recommended)

080501\*

##### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

##### Waste no. (recommended)

150110\*

### SECTION 14: Transport information

#### 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name



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#### 14.2 UN proper shipping name

Transport by land according to ADR/RID

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene) 9 III

- Classification Code

M6

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene) 9 III

- Classification Code

M6

- Label



Marine transport in accordance with IMDG

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene) 9 III MARINE POLLUTANT

- EMS

F-A, S-F

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene) 9 III

- Label



#### 14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

#### 14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

#### 14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available.

### SECTION 15: Regulatory information

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

EEC-REGULATIONS

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS

DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

NATIONAL REGULATIONS (GB):

EH40/2005 Workplace exposure limits (Second edition, published December 2011).  
 CHIP 3/ CHIP 4

- Observe employment restrictions for people

Observe employment restrictions for young people.  
 Observe employment restrictions for mothers-to-be and nursing mothers.

- VOC (1999/13/CE)

not determined

## 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### 16.1 R-phrases (SECTION 3)

R 20: Harmful by inhalation.  
R 36/37/38: Irritating to eyes, respiratory system and skin.  
R 40: Limited evidence of a carcinogenic effect.  
R 42/43: May cause sensitisation by inhalation and skin contact.  
R 48/20: Harmful - danger of serious damage to health by prolonged exposure through inhalation.  
R 65: Harmful - may cause lung damage if swallowed.  
R 66: Repeated exposure may cause skin dryness or cracking.  
R 67: Vapours may cause drowsiness and dizziness.  
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 22: Harmful if swallowed.  
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 16.2 Hazard statements (SECTION 3)

H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.  
H302 Harmful if swallowed.  
H411 Toxic to aquatic life with long lasting effects.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H332 Harmful if inhaled.  
H351 Suspected of causing cancer.

**16.3 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
ELINCS = European List of Notified Chemical Substances  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
TLV@/TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

**16.4 Other information****Customs Tariff**

not determined

**Classification procedure**

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Calculation method)  
Carc. 2: H351 Suspected of causing cancer. (Calculation method)  
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Calculation method)  
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)  
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)  
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

**Modified position**

none



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