

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


- **1.1 Product identifier**
- **Trade name:** ***IKOpro Rapid Repair Spray***
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 SU21 Consumer uses: Private households / general public / consumers  
 SU19 Building and construction work
- **Product category** PC9a Coatings and paints, thinners, paint removers
- **Application of the substance / the mixture** Sealant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 IKO Europe nv  
 d'Herbouvillekaai 80  
 B-2020 Antwerpen  
 Belgium  
 Tel.: 00800 32 04 32  
 E-mail: Wim.Verstraeten@iko.com
- **Further information obtainable from:**  
 UK: 0844 412 7228  
 Ireland : 01885 5090
- **1.4 Emergency telephone number:** not available

**SECTION 2: Hazards identification**


- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H336	May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02



GHS07

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
 Natural Resin  
 n-butyl acetate  
 acetone  
 ethyl acetate
- **Hazard statements**  
 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 1)

**Precautionary statements**

- P102 Keep out of reach of children.  
 P251 Do not pierce or burn, even after use.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**SECTION 3: Composition/information on ingredients**
**3.2 Chemical characterisation: Mixtures**
**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220 Press. Gas C, H280	10-<25%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	10-<25%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane Flam. Gas 1, H220 Press. Gas C, H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1, H220 Press. Gas C, H280	5-<10%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	5-<10%
CAS: 64742-49-0 EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	1-5%
	Natural Resin Skin Sens. 1, H317	1-5%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-5%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**
**4.1 Description of first aid measures**
**After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Not applicable.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray onto a naked flame or any incandescent material.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurised containers.  
Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

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

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 4)

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 3)

**· 8.1 Control parameters**
**· Ingredients with limit values that require monitoring at the workplace:**
**CAS: 123-86-4 n-butyl acetate**

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
 Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

**CAS: 67-64-1 acetone**

WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm  
 Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

**CAS: 106-97-8 butane**

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
 Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
 Carc (if more than 0.1% of buta-1,3-diene)

**CAS: 141-78-6 ethyl acetate**

WEL Short-term value: 400 ppm  
 Long-term value: 200 ppm

**Natural Resin**

WEL Short-term value: 0.15 mg/m<sup>3</sup>  
 Long-term value: 0.05 mg/m<sup>3</sup>  
 Sen

**CAS: 1330-20-7 xylene**

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
 Sk; BMGV

**· Ingredients with biological limit values:**
**CAS: 1330-20-7 xylene**

BMGV 650 mmol/mol creatinine  
 Medium: urine  
 Sampling time: post shift  
 Parameter: methyl hippuric acid

· **Additional information:** The lists valid during the making were used as basis.

**· 8.2 Exposure controls**
**· Personal protective equipment:**
**· General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.

· **Respiratory protection:** Not necessary if room is well-ventilated.

**· Protection of hands:**


Protective gloves

**· Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 4)

· **Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **Appearance:**

· <b>Form:</b>	Aerosol
· <b>Colour:</b>	Black
· <b>Odour:</b>	Solvent-like
· <b>pH-value:</b>	Not determined.

· **Change in condition**

· **Boiling point/Boiling range:** Not applicable, as aerosol.

- **Flash point:** <0 °C
- **Ignition temperature:** 365 °C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

· <b>Lower:</b>	1,2 Vol %
· <b>Upper:</b>	13,0 Vol %

- **Vapour pressure at 20 °C:** 3500 hPa
- **Density at 20 °C:** 0,83 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:**

Insoluble.

· **Viscosity:**

· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.

· **Solvent content:**

· <b>VOC (EC)</b>	573.5 g/l
· <b>Solids content:</b>	31.0 %

- **9.2 Other information** No further information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Hazardous decompositions products may be released during prolonged heating like smokes, carbon monoxide and dioxides.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 5)

**LD/LC50 values relevant for classification:**

123-86-4 n- butylacetate:

Oral LD50 &gt;8800mg/kg (rat)

Dermal LD50 &gt;5000 mg/kg (rabbit)

Inhalative LC50/4h &gt;21.0 mg/l (rat)

106-97-8 butane

LC 50 / 4h inhalative : 658000 mg/m3 (rat)

1330-20-7 xylene

LD50 oral : 3523 mg/kg (rat)

LD50 dermal : 2000 mg/kg (rabbit)

LC50 / 4h inhalative : 22.1 mg/m3 (rat)

141-78-6 ethyl acetate

LD50 oral : 5620 mg/kg (rabbit)

LD50 oral : &gt;200 mg/kg (fish)

LC50/4h inhalative : 1600 mg/l (rat)

67-64-1 acetone

LD50 oral : 5800 mg/kg (rat)

LD50 dermal : 20000 mg/kg (rabbit)

LC50/4h inhalative : 7.5 mg/l (fish)

**CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral LD50 &gt;5000 mg/kg (rat)

Dermal LD50 &gt;2800 mg/kg (rab)

Inhalative LC50/4 h 10 mg/l (daphnia)

**Primary irritant effect:**

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

- **Serious eye damage/irritation**

Causes serious eye irritation.

- **Respiratory or skin sensitisation**

May cause an allergic skin reaction.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

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

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

- **STOT-single exposure**

May cause drowsiness or dizziness.

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

- **Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

LC50 127-159 mg/l (fish)

EC50 1-10 mg/l (fish)

**CAS: 123-86-4 n-butyl acetate**

Inhalative LC50 18 mg/l (fish) (96h)

**CAS: 67-64-1 acetone**

EC50 8800 mg/l (daphnia)

LC50 2262 mg/l (daphnia)

5540 mg/l (fish)

(Contd. on page 7)

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 6)

**CAS: 141-78-6 ethyl acetate**

EC50	2500 mg/l (daphnia)
------	---------------------

**CAS: 1330-20-7 xylene**

EC50	7.4 mg/l (daphnia)
------	--------------------

LC50	13.5 mg/l (fish)
------	------------------

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

080111

15 01 04

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

· **14.1 UN-Number**

· **ADR, IMDG**

UN1950

· **14.2 UN proper shipping name**

· **ADR, IMDG**

UN 1950, AËROSOLS

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class**

2 5F Gases.

· **Label**

2.1

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 19.04.2016

Version number 1

Revision: 19.04.2016

**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 7)

· **IMDG**

· **Class** 2 Gases.  
· **Label** 2.1

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

· **EMS Number:** F-D,S-U  
· **Stowage Code** SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
· **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

· **14.7 Transport in bulk according to Annex II of**

**Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**  
· **Limited quantities (LQ)** 1L  
· **Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity  
· **Transport category** 2  
· **Tunnel restriction code** D

· **IMDG**

· **Limited quantities (LQ)** 1L  
· **Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity

· **UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a** FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
This product does not contain any SVHC's.

(Contd. on page 9)



**Trade name: IKOpro Rapid Repair Spray**

(Contd. of page 8)

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

· **Contact:**

Wim Verstraeten  
e-mail: Wim.Verstraeten@iko.com

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Gas 1: Flammable gases, Hazard Category 1  
 Aerosol 1: Flammable aerosols, Hazard Category 1  
 Press. Gas C: Gases under pressure: Compressed gas  
 Flam. Liq. 2: Flammable liquids, Hazard Category 2  
 Flam. Liq. 3: Flammable liquids, Hazard Category 3  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3