

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** IKOPRO Fast Dry Primer Spray
- **Application of the substance / the preparation** Bitumen Primer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
IKO PLC
Appley Lane North
Appley Bridge
Wigan
Lancashire
WN6 9AB
- **Further information obtainable from:** UK: 01257 256779 EMail: technical@ikogroup.co.uk

- **Emergency telephone number:** +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008, reg no. 453/2010**

Flam. Aerosol 1	H222	Extremely flammable aerosol.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H335+H336	May cause respiratory irritation. May cause drowsiness or dizziness.
- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

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- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**
- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with CLP Regulation as listed above



GHS 09



GHS 02

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· *Other hazards*

Results of PBT and vPvB assessment

· **PBT:**

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64742-82-1 EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy PBT Carc. Cat. 2, Muta. Cat. 2 Flam. Liq. 3, H226 STOT SE 3, H335+H336	10-25%
CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane Flam. Gas 1, H220 Press. Gas, H280	10-25%

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CAS: 106-97-8 EINECS: 203-448-7	butane Flam. Gas 1, H220 Press. Gas, H280	10-25%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Acute Tox. 4, H332; STOT SE 3, H335+H336	2.5-5%
CAS: 95-63-6 EINECS: 202-436-9	1,2,4-trimethylbenzene Flam. Liq. 3, H226 Aquatic Chronic 2, H411 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	0-2.5%
CAS: 108-67-8 EINECS: 203-604-4	mesitylene Flam. Liq. 3, H226 Aquatic Chronic 2, H411 STOT SE 3, H335	0-2.5%

· **Additional information:** For the wording of the listed hazard statements refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Not applicable.

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- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **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.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized 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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

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· Control parameters**· Ingredients with limit values that require monitoring at the workplace:****106-97-8 butane**

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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95-63-6 1,2,4-trimethylbenzene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
ILV	

· Additional information: The lists valid during the making were used as basis.**· Exposure controls****· Personal protective equipment:****· General protective and hygienic measures:** Wash hands before breaks and at the end of work.**· Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter AX/P2

· Protection of hands:

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves Nitrile rubber, NBR**· 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.

· Eye protection:

Tightly sealed goggles

9 Physical and chemical properties**· Information on basic physical and chemical properties****· Appearance:****Form:** Aerosol**Colour:** Black**· Odour:** Solvent-like**· pH-value:** Not determined.**· Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** -44°C**· Flash point:** -97°C**· Ignition temperature:** 200°C**· Self-igniting:** Product is not selfigniting.**· Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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- **Explosion limits:**
 - Lower:** 0.5 Vol %
 - Upper:** 10.9 Vol %
- **Vapour pressure at 20°C:** 3 bar
- **Density at 20°C:** 0.75 g/cm³
- **Relative density:** Not determined.
- **Solubility in / Miscibility with water:** Insoluble.
- **organic solvents:** Miscible with many organic solvents.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - VOC (EC)** VOC limit value (cat A/h) 750 g/L 2010.
Product contains 580 g/L.
- **Other information:** No further information available.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rat)
Inhalative	LC50/4 h	10 mg/l (daphnia)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

95-63-6 1,2,4-trimethylbenzene

Oral	LD50	5000 mg/kg (rat)
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- **Primary irritant effect:**
 - on the skin:**
Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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· **Sensitization:** No sensitizing effects known.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

64742-95-6 Solvent naphtha (petroleum), light arom.

EC50 \leq 10 mg/l (daphnia)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Toxic for 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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:**

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

· **vPvB:** Not applicable.

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

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

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

· **Uncleaned packaging:**

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

14 Transport information

· **UN-Number**

· **ADR, IMDG**

UN1950

· **UN proper shipping name**

· **ADR**

· **IMDG**

UN 1950, AÉROSOLS

AEROSOLS (TURPENTINE SUBSTITUTE)

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· **Transport hazard class(es)**

· **ADR**



· **Class** 2 5F Gases.
 · **Label** 2.1

· **IMDG**



· **Class** 2 Gases.
 · **Label** 2.1

· **Environmental hazards:** *Product contains environmentally hazardous substances: hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates(2-25%)*

· **Marine pollutant:** *Yes*
Symbol (fish and tree)

· **Special marking (ADR):** *Symbol (fish and tree)*

· **Special precautions for user** *Warning: Gases.*

· **EMS Number:** *F-E,S-E*

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable.*

· **Transport/Additional information:**

· **ADR**

· **Tunnel restriction code** *D*

· **UN "Model Regulation":** *UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1*

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with CLP Regulation 1272/2008 & 453/2010

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

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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.*
- H315 *Causes skin irritation.*
- H319 *Causes serious eye irritation.*
- H332 *Harmful if inhaled.*
- H335 *May cause respiratory irritation.*
- H336 *May cause drowsiness or dizziness.*
- H411 *Toxic to aquatic life with long lasting effects.*

· **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)*
- RID: *Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
- IMDG: *International Maritime Code for Dangerous Goods*
- GHS: *Globally Harmonized System of Classification and Labelling of Chemicals*
- VOC: *Volatile Organic Compounds (USA, EU)*
- LC50: *Lethal concentration, 50 percent*
- LD50: *Lethal dose, 50 percent*

Version History.

Version 1.0 June 1st 2015 New release for Classification, Labelling Packaging Regulations