

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Iko Lap Adhesive

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

Identified uses Contact Adhesive

1.3. Details of the supplier of the safety data sheet

Supplier IKO Plc
Appley Lane North
Appley Bridge
Wigan
Lancashire
WN6 9AB
Tel: 01257 256779
www.ikogroup.co.uk

1.4. Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Physical and Chemical Hazards Flam. Liq. 2 - H225
Human health EUH066; Eye Irrit. 2 - H319; STOT SE 3 - H336
Environment Not classified.

The Full Text for all Hazard Statements are Displayed in Section 16.

Human health

Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Environment

Not regarded as an environmental hazard under current legislation.

Physical and Chemical Hazards

Highly Flammable

2.2. Label elements

Contains BUTANONE

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

Precautionary Statements	H336	May cause drowsiness or dizziness.
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P261	Avoid breathing vapours.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
	P501	Dispose of contents/container in accordance with national regulations.
Supplementary Precautionary Statements	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
Supplemental label information	EUH066	Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

This substance is not identified as a PBT substance. In use, may form flammable/ explosive vapour-air mixture.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ACETONE			30-60%
CAS-No.: 67-64-1	EC No.: 200-662-2	Registration Number: 01-2119471330-49	
Classification (EC 1272/2008)			
Flam. Liq. 2 - H225			
EUH066			
Eye Irrit. 2 - H319			
STOT SE 3 - H336			
BUTANONE			30-60%
CAS-No.: 78-93-3	EC No.: 201-159-0	Registration Number: 01-2119457290-43	
Classification (EC 1272/2008)			
Flam. Liq. 2 - H225			
EUH066			
Eye Irrit. 2 - H319			
STOT SE 3 - H336			

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once.

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Inhalation

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

Ingestion

Immediately rinse mouth and provide fresh air. Get medical attention.

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. Vapours may cause drowsiness and dizziness.

Ingestion

There may be soreness and redness of the mouth and throat.

Skin contact

There may be irritation and redness at the site of contact Repeated exposure may cause skin dryness or cracking.

Eye contact

There may be irritation and redness. Eyes may water profusely.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In combustion emits toxic gases.

Unusual Fire & Explosion Hazards

HIGHLY FLAMMABLE! Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition.

Specific hazards

Closed containers can burst violently when heated, due to excess pressure build-up. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent escape of liquid. Mark contaminated areas with signs and prevent access to unauthorised personnel. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Avoid inhalation of spray mist and contact with skin and eyes.

6.2. Environmental precautions

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Do not discharge into drains, water courses or onto the ground. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

PERSONAL PROTECTION. Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Do not use equipment in clean up procedure which may produce sparks. Absorb in vermiculite, dry sand or earth and place into containers. For waste disposal, see section 13.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Wear appropriate personal protective equipment (see Section 8) Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Provide good ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and well-ventilated place. Keep containers tightly closed. Keep away from heat, sparks and open flame. Keep in original container. Take precautionary measures against static discharges.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³	
BUTANONE	WEL	200 ppm(Sk)	600 mg/m ³ (Sk)	300 ppm(Sk)	899 mg/m ³ (Sk)	

WEL = Workplace Exposure Limit.

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ACETONE (CAS: 67-64-1)

DNEL				
Consumer	Oral	Long Term	62	mg/kg/day
Consumer	Dermal	Long Term	62	mg/kg/day
Industry	Dermal	Long Term	186	mg/kg/day
Consumer	Inhalation.	Long Term	200	mg/m3
Industry	Inhalation.	Short Term	2420	mg/m3
Industry	Inhalation.	Long Term	1210	
PNEC				
Freshwater	10.6	mg/l		
Marinewater	1.06	mg/l		
Intermittent release	21	mg/l		
Soil	29.5	mg/l		
Sediment (Marinewater)	3.04	mg/kg		
Sediment (Freshwater)	30.4	mg/kg		

BUTANONE (CAS: 78-93-3)

DNEL				
Consumer	Oral	Long Term	Systemic Effects	31 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	412 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	106 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	600 mg/m3
PNEC				
Freshwater	Long Term	55.8	mg/l	
Marinewater	Long Term	55.8	mg/l	
Intermittent release	Intermittent release	55.8	mg/l	
STP	Long Term	709	mg/l	
Sediment	Long Term	284.7	mg/kg	
Soil	Long Term	22.5	mg/kg	

8.2. Exposure controls

Protective equipment



Process conditions

Ensure suitable ventilation of area. Ensure lighting and electrical equipment are not a source of ignition.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Ensure that lighting and electrical equipment are not sources of ignition.

Respiratory equipment

If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high exposures, compressed airline breathing apparatus should be used.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of: Butyl rubber. (Sk) noted above means can be absorbed through skin.

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Other Protection

Provide eyewash station.

Hygiene measures

Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke. Ensure that eyewash stations and safety showers are close to the workstation

Personal protection

Wear protective work clothing.

Skin protection

Wear suitable gloves if prolonged or repeated skin contact is likely

Environmental Exposure Controls

Keep container tightly sealed when not in use.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless to pale yellow.
Odour	Acetone, ketone.
Solubility	Partially soluble in water.
Initial boiling point and boiling range (°C)	56 Deg.C @ 760 mm Hg
Relative density	0.88 @ 20 Deg.C
Vapour pressure	10.5 kPa @ 20 Deg.C
Flash point (°C)	-18 Deg.C
Flammability Limit - Lower(%)	1.8%
Flammability Limit - Upper(%)	13%

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

No known hazardous reactions if stored under normal conditions.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

In combustion emits toxic fumes

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 20 mg/l (vapours) Rat

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General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Vapours may cause drowsiness and dizziness.

Ingestion

May cause soreness and redness of mouth and throat.

Skin contact

Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating to eyes.

Health Warnings

Irritating to eyes. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Route of entry

Skin and/or eye contact. Inhalation.

Target Organs

Central nervous system Skin Eyes

Toxicological information on ingredients.

ACETONE (CAS: 67-64-1)

Toxic Dose 1 - LD 50

3 mg/kg (oral-mouse)

Toxic Dose 2 - LD 50

5800 mg/kg (oral rat)

Toxic Conc. - LC 50

>20 mg/l/4h (inh-rat)

Acute toxicity:

Acute Toxicity (Dermal LD50)

2000 mg/kg Rabbit

BUTANONE (CAS: 78-93-3)

Toxicological information

Vapour is irritating to eyes and respiratory tract, may cause systemic effects: narcosis, headaches. Liquid is severely irritating to eyes, irritative to skin, and may cause dermatitis due to defatting. Ingestion may cause sore throat, nausea, diarrhoea.

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 5000 mg/l (vapours) Rat 4 hours

Aspiration hazard:

Skin contact

Prolonged contact may cause dryness of the skin.

Irritation of eyes and mucous membranes.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are 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.

12.1. Toxicity

Not regarded as dangerous for the environment

LC 50, 96 Hrs, Fish mg/l	100
IC 50, 72 Hrs, Algae, mg/l	>100

Ecological information on ingredients.

ACETONE (CAS: 67-64-1)

LC 50, 96 Hrs, Fish mg/l
>100
EC 50, 48 Hrs, Daphnia, mg/l
8300
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 12600 mg/l Daphnia magna
IC 50, 72 Hrs, Algae, mg/l
>100
Chronic Toxicity - Aquatic Invertebrates
NOEC 28 days >10<100 mg/l Freshwater invertebrates

BUTANONE (CAS: 78-93-3)

Acute Fish Toxicity
Low toxicity to fish
LC50 96 hours 2993 mg/l Pimephales promelas (Fat-head Minnow)
EC 50, 48 Hrs, Daphnia, mg/l
308
Acute Toxicity - Aquatic Plants
EC50 96 hours 2029 mg/l Freshwater algae
Acute Toxicity - Microorganisms
EC50 96 hours > 50 mg/l Activated sludge

12.2. Persistence and degradability

Biodegradable in part only.

Ecological information on ingredients.

ACETONE (CAS: 67-64-1)

Degradability
The product is easily biodegradable.

BUTANONE (CAS: 78-93-3)

Degradability
The product is biodegradable.
Phototransformation
Air. Degradation (98%) 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.

BUTANONE (CAS: 78-93-3)

Bioaccumulative potential
The product is not bioaccumulating.

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12.4. Mobility in soil

Mobility:

Volatile

Ecological information on ingredients.

BUTANONE (CAS: 78-93-3)

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

Ecological information on ingredients.

ACETONE (CAS: 67-64-1)

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

Solvent Based Adhesive Waste (Non-Halogenated): 08 04 09

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1133

14.2. UN proper shipping name

Proper Shipping Name ADHESIVES

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group II

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IMDG Packing group II

ICAO Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS F-E, S-D

Tunnel Restriction Code (D/E)

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

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

ECHA: Guidance on the Compilation of safety data sheets. (V1.1, December 2011)

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

National Regulations

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Version History.

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



Safety Data Sheet
According to EC Regulation 1907/2006
(REACH) & 1272/2008 (CLP) & 453/2010/
Version number 1.0

Revision: 01.06.2015

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Hazard Statements In Full

H319	Causes serious eye irritation.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.