

INDASOL CT 36 CLEANING SOLVENT

General Purpose Cleaner

Indasol CT 36 Cleaning Solvent is an MEK solvent blend and flushing agent and is an effective cleaner for UPVC and ABS mouldings and pipework.

Indasol CT 36 removes the lubricants used in extrusion or moulding of all plastic components.

Indasol CT 36 can be successfully used as a degreaser for metal components.

Indasol CT 36 may be used, but only where specifically specified, as a thinner or diluent for certain adhesives.

TECHNICAL DATA:

Colour: Clear

Vapour Pressure: 100mm of mercury at 25°C.

Specific Gravity: 0.81

Flash Point: -4°C

Packaging: 5 litre, 25 litre and 200 litre containers.

Storage Life: 12 months when stored between 5°C-30°C in a cool, dry area and in original unopened containers.

APPLICATION:

When used as a degreaser, no other operation is necessary but for etching into plastic components it must follow an abrasive treatment.

For full details refer to the adhesive instructions.

Irrespective of the application, it is essential to ensure that cleaning cloths, brushes, etc., are completely free from any contaminating materials.

- ♣ **General purpose**
- ♣ **Degreaser**
- ♣ **Can be used as a thinner/diluent**

HEALTH AND SAFETY DATA:

Full Health and Safety information on **Indasol CT 36 Cleaning Solvent** is available from the manufacturer.

IMPORTANT NOTE:

All the information in this Data Sheet is based on practical experience and is published in good faith. However, because we have no control over the manner or conditions in which our products are used, or over work undertaken or end product manufactured by the purchaser, we cannot accept liability for results. Responsibility for ascertaining the suitability of products for his purposes rests with the purchaser. All conditions, representations, statements, warranties or guarantees whatsoever, whether express, implied or statutory, in respect of any goods manufactured, sold or supplied by us are hereby expressly excluded and we accept no liability in respect of any claim for damage or consequential loss caused to any property arising directly or indirectly out of the use of our products or goods.

Issue: August 1998

Material Safety Data Sheet

According to 91/155 EC

Printing date 06.02.2004

Reviewed on 24.09.2002

1 Identification of substance

- **Product details:**
- **Trade name *CT 36 inactiv**
- **Application of the substance / the preparation** Cleaner solvent
- **Manufacturer/Supplier:**
H B Fuller UK Manufacturing Ltd
Moor Road
Chesham
Bucks
GB - HP5 1SB
Tel: +44 (0)161 6660666
Adalis Corporation
An H.B.Fuller Solution
417 NW 136th Street
Vancouver, WA 98685
360-574-8828
- **Informing department:**
Product safety department.
H.B. Fuller Industrial Hygiene: USA +1-651-236-5842

2 Composition/Data on components:

- **CAS No. Designation:**
78-93-3 butanone
- **Identification number(s):**
- **EINECS Number:** 201-159-0
- **EC Number:** 606-002-00-3

3 Hazards identification

- **Hazard designation:**
Xi Irritant
F Highly flammable
- **Information pertaining to particular dangers for man and environment**
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
Has a narcotic effect.
R 11 Highly flammable.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

4 First aid measures

- **General information** Take affected persons into the open air.
- **After inhalation** Supply fresh air.
- **After skin contact** The product is not skin irritating.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents**
Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
- **Additional information:**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
Use breathing protection against the effects of fumes/dust/aerosol.
Wear protective clothing.
- **Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.
Use non sparking handtools.

7 Handling and storage

- **Handling**

- **Information for safe handling:**

Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
Keep away from children
Keep eye wash bottles available on working place.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Highly volatile, flammable constituents are released during processing.
Fumes can combine with air to form an explosive mixture.

- **Storage**

- **Requirements to be met by storerooms and containers:**

Store in cool location.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**

Please take care on national and local requirements.

- **Components with critical values that require monitoring at the workplace:**

78-93-3 butanone

OES: Short-term value: 899 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200 ppm

IOELV, Sk,

- **Additional information:**

Based on information valid at the time of writing.

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from food, drink and animal feedingstuffs.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.

- **Breathing equipment:**

Use breathing protection in case of insufficient ventilation.

- **Recommended filter device for short term use:** Filter A

- **Protection of hands:**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Natural rubber, NR

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.

- **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 safety glasses.

- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

- **Form:** Fluid

- **Colour:** Colourless

- **Smell:** Pleasant

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- **Change in condition**

- **Melting point/Melting range:**

Value/Range Unit Method

-86.3 ° C

- Boiling point/Boiling range:

80 ° C

- Flash point:

-1 ° C

- Ignition temperature:

514 ° C

- Danger of explosion:

Product is not explosive. However, formation of explosive vapour/air mixtures is possible.

- Critical values for explosion:

- Lower:

1.8 Vol %

- Upper:

11.5 Vol %

- Vapour pressure:

at 20 ° C 105 hPa

- Density

at 20 ° C 0.804-0.807 g/cm³

- Solubility in / Miscibility with

- Water:

at 20 ° C 290 g/l

- Organic solvents:

100.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **Dangerous reactions** No dangerous reactions known

- **Dangerous products of decomposition:**

No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
LD/LC50 values that are relevant for classification:
78-93-3 butanone
Oral: LD50: 3300 mg/kg (rat)
Dermal: LD50: 5000 mg/kg (rbt)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.

12 Ecological information:

- **General notes:**
Water hazard class 1 (Assessment by list): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Hand over to disposers of hazardous waste.
- **European waste catalogue** 14 06 03: other solvents and solvent mixtures
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1193
- **Packaging group:** II
- **Label** 3
- **Designation of goods:** 1193 ETHYL METHYL KETONE
(METHYL ETHYL KETONE)
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 3
- **UN Number:** 1193

- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Correct technical name:** ETHYL METHYL KETONE
(METHYL ETHYL KETONE)
- **Remarks:** Suitable UN approved container necessary.
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1193
- **Label** 3
- **Packaging group:** II
- **Correct technical name:** ETHYL METHYL KETONE
(METHYL ETHYL KETONE)
- **Remarks:** Suitable UN approved container necessary.

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Chemicals (Hazard, Informaion and Packaging for Supply) (CHIP) Regulations.
- **Code letter and hazard designation of product:**
Xi Irritant F Highly flammable
- **Risk phrases:**
 - 11 Highly flammable.
 - 36 Irritating to eyes.
 - 66 Repeated exposure may cause skin dryness or cracking.
 - 67 Vapours may cause drowsiness and dizziness.
- **Safety phrases:**
 - 2 Keep out of the reach of children.
 - 9 Keep container in a well-ventilated place.
 - 16 Keep away from sources of ignition — No smoking.
 - 25 Avoid contact with eyes.
 - 36/37 Wear suitable protective clothing and gloves.
- **National regulations**
- **Technical instructions (air): Class Share in %**
III 100.0
- **Water hazard class:**
Water hazard class 1 (Assessment by list): slightly hazardous for water.

16 Other information:

- These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- The information provided about the product on this Safety Sheet has been compiled from knowledge of the individual constituent.
- The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.
- **Department issuing data specification sheet:**
product safety department
Industrial Hygiene
- **Contact:**
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