

1. CHEMICAL PRODUCT AND COMPANY INFORMATION**Product Identity :****MKS50 Fotomask Cleaner****Producer / Distributor :**Jay House Ltd., Fiveways House, Westwells Road,
Rudloe, Corsham, Wiltshire SN13 9RG, England
Tel: 01225 810596 Fax: 01225 811801**2. COMPOSITION / INGREDIENT INFORMATION**

This is a liquid preparation of hydrocarbon solvents, inert resins, pigments and an oil plasticiser. The significant components are :

Chemical Name

	Symbol letter	R-Phrases	S-Phrases	EINEC No	CAS No
TOLUENE	65% F, Xn	11-20	16-25-29-33	203-625-9	108-88-3
BUTANONE	35% F, Xi	11-36/37	9-16-25-33	201-159-0	78-93-3

3. HAZARD IDENTIFICATION**EC classification :**

See paragraph 15

Most important hazards : Highly flammable Harmful by inhalation**4. FIRST AID MEASURES****Inhalation :** Move the victim to fresh air. Put person in half sitting position and let rest. In all cases seek medical advice**Skin contact :** Flush with plenty of water. Remove contaminated clothing. Wash afterwards with soap and water.**Eye contact :** Rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.**Ingestion :** Rinse mouth with plenty of water. Give victim considerable amounts of water to drink. Do not induce vomiting. In all cases seek medical advice**Other :****Advice to physician :****5. FIRE-FIGHTING MEASURES****Special Risks :** Vapour air mixture explosive.**Suitable extinguishing media** Use foam, dry powder or carbon dioxide.**Unsuitable extinguishing media :-****Special exposure hazards :** When product is involved in a fire, toxic fumes and smoke will be generated. Do not breathe these fumes**Hazardous decomposition/combustion products :-** Peroxides**Protective equipment :** Use approved positive pressure self-contained breathing apparatus when product is involved in a fire.**Further instructions :** Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.**6. ACCIDENTAL RELEASE MEASURES****Shut off all sources of ignition warn others to keep a safe distance****MKS50 Fotomask cleaner**

Vapour pressure (20deg C)	: Not determined
Density (20deg C)	: Not determined
Solubility in water (25deg C)	: Not determined
Solubility in other solvents (25deg C)	: Completely
pH value (25deg C)	: Not determined
pH solution in water	: Not determined
Partition coefficient n-octanol/water	: Not determined
Viscosity	: Not determined

10. STABILITY AND REACTIVITY

Stability : The product is stable under normal storage conditions

Conditions to avoid :-

Materials to avoid - Rubber, various plastics, chloroform/ alkali hydroxides, oxidising agents

Hazardous decomposition products :Peroxides. When the product is involved in a fire, or when it is handled incorrectly, is there a possibility that decomposition products will be generated. (See paragraph 5)

11. TOXICOLOGICAL INFORMATION

Acute toxicity :-

Different routes of exposure, health warnings

Inhalation : Irritation in the respiratory tract. Avoid breathing mist, vapour or aerosols. Ventilate as required to keep concentrations low

Skin contact : After skin contact, Irritation degreasing effect on the skin possibly followed by secondary inflammation. Danger of skin absorption after long term exposure. Dermatitis.

Eye contact : Irritation.

Ingestion : Vomiting, absorption, risk of aspiration upon vomiting. Systemic effect. After absorption of large quantities CNS disorders, inebriation, spasms, narcosis unconsciousness, respiratory arrest, cardiovascular failure.

Further information:- Good warning effect due to low odour threshold

Toluene: The information suggests a risk of embryotoxic effect must be considered probable. Pregnant women should not be exposed to this product
Evidence of mutagenic or teratogenic effects.

No evidence of carcinogenic effects

12. ECOLOGICAL INFORMATION

Information about elimination

Information about environmental compartments :

Ecotoxicity : LC50 23.5 mg/l inhalation, rat.

Other information : No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. When dry it forms a "plastic" skin and can be disposed of.

13. DISPOSAL CONSIDERATIONS

Product or contaminated product Dispose of leftovers, waste or contaminated products in accordance with local and national regulations.

Contaminated package : Contaminated package should be disposed of in accordance with local and national regulations.

Other information : We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together

14. TRANSPORT INFORMATION

UN No.	: -1294 Toluene	1193 Butonone Methyl-Ethyl Ketone	
Description	:-		
Containing	: - Toluene	Butonone	
ADR/RID Class	: - 3,3'(b)	Item	: -
IMDG/ADNR Class	: - 3.2	Page	: -
	Pack.gr : - II		TREMCARD : -
			EmS : -
ICAO/IATA Class	: - 3.2	Pass<	: -
	Pack.gr : - II	Cargo< : -	Instr. : -
			MFAG :
			Instr. : -

15. REGULATORY INFORMATION**Chemical identity** : TOLUENE, BUTANONE**Warning signs EC** : -

Symbol(s) : F Highly flammable
 Xn Harmful
 Xi Irritant

R(isk) phrase(s) :

R11 Highly flammable
 R20 Harmful by inhalation
 R36/37 Irritating to eyes and respiratory system.

S(afety) phrase(s) :

S9 Keep container in a well ventilated place
 S16 Keep away from sources of ignition - No Smoking
 S23 Do not breathe vapour
 S25 Avoid contact with eyes
 S29 Do not empty into drains
 S33 Take precautionary measures against static discharges

Exposure limits :- UK exposure limits OES Long term mg/m³ 188 (SK) Toluene
 OES Long term mg/m³ 590 Butan-2-one

Other information :-**16. OTHER INFORMATION**

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. Recipients of our product must take responsibility for observing existing laws and regulations.