

MATERIAL SAFETY DATA SHEET

MSDS: 2007036010EU

Date Prepared: 3, September, 2007

Date Revised :

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ex-UV SP1 Black

Distributed by:

Industrial Inkjet Ltd
Glebe Farm Campus, Knapwell,
Cambridgeshire, UK CB23 4GG
Tel: +44 1954 267 403

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#	wt. %	Symbol	R Phrases
Cyclic ether compound A (Ref. 72243-054934, Germany)	Company confidential	40 - 70	Xn	22-52/53
Neopentylglycol di(4-methyl-3, 4-epoxycyclohexane carboxylate)	744910-23-4	10 - 30	-	52/53
3-Ethyl-3-(2-ethylhexyloxymethyl)oxetane	298695-60-0	5 - 20	Xi, N	38-51/53
Bis(4-methylphenyl)-4- methoxyphenylsulfonium hexafluorophosphate	856053-75-3	1 - 5	Xi, N	41-50/53
Esters of alicyclic acid (Ref. 72243-054933, Germany)	Company confidential	1 - 5	Xi	36
Carbon Black	1333-86-4	1 - 5	-	-

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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*****  
* Black liquid. Slight aromatic odor. *  
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POTENTIAL HEALTH EFFECTS

Eye Effects : May cause eye and mucous membrane irritation.

Skin Effects : None currently known.

Ingestion Effects : None currently known.

Inhalation Effects: Inhalation of vapor or mist may cause irritation of respiratory system.

Chronic Effects/ Carcinogenicity:

Carbon black is possibly carcinogenic to humans. (IARC classification is Group 2B). This product contains a chemical known to the State of California to cause cancer.

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4. FIRST AID MEASURES

- Eye** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin** : Wash with water and mild soap.
- Ingestion** : Wash out mouth with water. Drink one or two glasses of water. Get medical attention. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
- Inhalation**: No exposure expected under normal conditions. Large amount of vapor or mist if inhaled, move victim to fresh air immediately. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

- Flash Point** : 144.0 C (Cyclic ether compound A)
- Method Used** : COC
- Flammable Limits** : Not available
- Autoignition Temperature** : Not available
- Unusual Fire and Explosion Hazard**: May be flammable by excessive heating.
- Extinguishing Media**: Water spray, dry chemical, carbon dioxide, foam.
- Fire Fighting**: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Apply cooling water to sides of containers that are exposed to flames. Combat fire out of sheltered position.
- Hazardous Combustion Products**: Carbon monoxide, carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Spill and Leakage Procedures:

Large spill: Wear personal protective equipment(See Section 8). Ventilate closed spaces before entering. Eliminate all sources of ignition. Stop leak if you can do it without risk. Dike far ahead of large spill to assure containment. Absorb spill with inert material(e.g. dry sand or earth), then place in a chemical waste container.

Small spill: Wear personal protective equipment(See Section 8). Ventilate closed spaces before entering. Eliminate all sources of ignition. Stop leak if you can do it without risk. Absorb spill with inert material(e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. Wear personal protective equipment (See Section 8). Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion:

No special precautionary measures should be required under normal use conditions.

Storage:

Keep container tightly closed. Store in a cool and dry place. Keep away from incompatible substances(See Section 10).

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

INGREDIENTS	ACGIH TLV	
	TWA	STEL
Cyclic ether compound A (Ref. 72243-054934, Germany)	None established	
Neopentylglycol di(4-methyl-3,4-epoxycyclohexane carboxylate)	None established	
3-Ethyl-3-(2-ethylhexyloxymethyl)oxetane	None established	
Bis(4-methylphenyl)-4- methoxyphenylsulfonium hexafluorophosphate	None established	
Esters of alicyclic acid (Ref. 72243-054933, Germany)	None established	
Carbon Black	3.5mg/m3	

Engineering Controls: Use process enclosures or local exhaust ventilation.

Respiratory Protection: Not required under normal conditions.

Skin Protection: Impervious gloves should be worn.

Eye Protection: Splash goggles should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Black liquid
Odor : Slight aromatic odor
pH : Not available.
Vapor Pressure : Not available.
Vapor Density : Not available.
Evaporation Rate: Not available.
Boiling Point : Not available.
Melting Point : Not applicable.
Solubility : Insoluble in water.
Specific Gravity: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility: Oxidizers.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

Product

Acute oral toxicity : LD50:>2000mg/kg[rat] (data of similar product)

Skin irritation : None[rabbit] (data of similar product)

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12. ECOLOGICAL INFORMATION:

Product

Fish acute toxicity : 96hrLL50 : 29.0mg/L[Oryzias latipes] (data of similar product)

Daphnia acute toxicity : 48hrEL50 : 16.3mg/L[Daphnia magna] (data of similar product)

Algae growth inhibition: ErC50 (0-72h) : 2.04mg/L[Pseudokirchneriella subcapitata]、EbC50 (0-72h):1.20mg/L[Pseudokirchneriella subcapitata] (data of similar product)

13. DISPOSAL CONSIDERATIONS:

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.

14. TRANSPORT INFORMATION:

ADR/RID: Environmentally hazardous substance, liquid,
n. o. s. (Bis(4-methylphenyl)-4-methoxyphenylsulfonium hexafluorophosphate), UN 3082,
Class 9, PKG Gr III
IMDG Code: Not regulated.
IATA/ICAO: Not regulated.

15. REGULATORY INFORMATION:

Labeling according EEC-Regulations:

Symbol: N

R: 51/53

S: 2-26-57-61

16. OTHER INFORMATION:

The above information is believed to be accurate and represents the best information currently available to our company. However, our company make no warranty with respect to such information, and our company assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.