

MATERIAL SAFETY DATA SHEET

Catalogue N°: 957795 Date: 24/10/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Identification of the substance or preparation

UNICLEANER A

1.2. Use of the substance/preparation

Photographic developer

1.3. Company/undertaking identification

FUJI HUNT PHOTOGRAPHIC CHEMICALS NV.

EUROPARK NOORD 21-22

9100 SINT-NIKLAAS

BELGIUM

TEL: +32 (0)3 760 02 00

FAX: +32 (0)3 776 91 22

1.4. Emergency telephone

+32 (0)3 760 02 00

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: powder

Components contributing to hazard:

w/w%	CAS N°	EINECS N°	Components Symb. R-phrases
50-70	7775-14-6	231-890-0	SODIUM BISULPHATE Xn R:7-22-31
30-50	7775-27-1	231-892-1	SODIUM PERSULPHATE O Xn R:8-22-36/37/38-42/43

3. HAZARDS IDENTIFICATION

Most important hazards :

Harmful if swallowed.

May cause sensitization by inhalation and skin contact.

4. FIRST AID MEASURES

Eye contact

Irrigate with flowing water immediately and continuously for 15 minutes.

Consult medical personnel.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing

Ingestion

Consult a physician or transport to emergency facility immediately.

Inhalation

Remove to fresh air. Consult a physician.

Further information

Overexposure may lead to allergic skin reactions with sensitized people. In this case, seek medical advice.

5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media:

Water.

Water fog, carbon dioxide, foam, dry chemicals.

5.2. Extinguishing media to avoid:

None under normal conditions.

5.3. Further information:

Keep containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

- Wear adequate personal protective equipment, see section 8 (exposure control / personal protection).
- Spills should be contained by and carried with suitable absorbent material and removed from disposal.
- Dispose of according to local and national regulations.
- Prevent from entering into soil, waterways and groundwater.

7. HANDLING AND STORAGE

7.1. Handling

Avoid eye and skin contact. Wash hands and exposed skin before eating, drinking or smoking and after work. Use only in a well ventilated area. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Wear suitable protective clothing, gloves and eye/face protection. Do not consume or store food in the working area.

7.2. Storage

Keep containers tightly closed. Store in a well ventilated, cool, dry area. Storage temperature should be higher than +5°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limit values (INGREDIENTS INFORMATION)

SODIUM BISULPHATE

MAK-value(TRGS 900) = NAV
TLV-TWA = NAV

SODIUM PERSULPHATE

MAK-value(TRGS 900) = NAV
TLV-TWA = 0,1 mg/m³

8.2. Exposure controls

Respiratory protection: no respiratory protection needed under normal conditions. Good ventilation should be sufficient.

Hand protection: use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials : nitrile rubber (thickness \geq 0,38 mm, breakthrough time $>$ 480 min) neoprene (thickness \geq 0,65 mm, breakthrough time $>$ 240 min). butyl rubber (thickness \geq 0,36 mm, breakthrough time $>$ 480 min)

For intermittent splash protection corresponding gloves with breakthrough time $>$ 60 min can be used.

Avoid gloves made of : natural rubber.

Eye protection: use chemical safety goggles. Eye wash fountain should be located in immediate work area.

Other: appropriate protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid
Flash point °C : NA
Density (20°C) Kg/L : 0.999999
Solubility in water (25°C) : Completely
pH value (25°C) : 0.99999

10. STABILITY AND REACTIVITY

10.1. Conditions to avoid

The product is stable under normal storage conditions.

10.2. Materials to avoid

Keep away from oxidising material(s).

10.3. Hazardous decomposition products

Formation of SO₂ is possible.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (INGREDIENTS INFORMATION)

SODIUM BISULPHATE

LD50 (Oral Rat) = 2490 mg/kg

SODIUM PERSULPHATE

LD50 (Oral Rat) = 930 mg/kg

Skin contact
May cause sensitization by skin contact.
Ingestion
Harmful if swallowed.
Inhalation
May cause sensitization by inhalation.

12. ECOLOGICAL INFORMATION

Ecotoxicity (INGREDIENTS INFORMATION)

SODIUM BISULPHATE
LC50 (Fish, 96 hours) = NAV
SODIUM PERSULPHATE
LC50 (Fish, 96 hours) = NAV

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations. Containers must be disposed of in accordance with local regulations.
EWC: 09 01 01 Water-based developer and activator solutions

14. TRANSPORT INFORMATION

UN N° : 1505 PSN : SODIUM PERSULPHATE
ADR/RID Class : 5.1 Item :18C TREMCARD :5.1505-001
Pack.gr.: III
IMDG/ADNR Class : 5.1 EmS :F-A Mar.Poll. :N
Pack.gr.: III
ICAO/IATA Class : 5.1 Pass. < :25KG Instr. :516
Pack.gr.: III Cargo < :100KG Instr. :518

15. REGULATORY INFORMATION

EU Classification and User Label Information:

Contains : SODIUM PERSULPHATE
Symbol(s) : Xn
R(isk) phrase(s) :
R22 : Harmful if swallowed.
R42/43 : May cause sensitization by inhalation and skin contact.
S(afety) phrase(s) :
S23 : Do not breathe vapour.
S24 : Avoid contact with skin.
S37 : Wear suitable gloves.
S46 : If swallowed, seek medical advice immediately and show this container or label.
Other information :
WGK: 1

16. OTHER INFORMATION

The use of the preparation is restricted to professional users!
The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Date of issue: 01.04.2004 Supersedes edition of -

NAv : Not available NA : Not applicable
RISK PHRASES MENTIONED IN PARAGRAPH 2:
R22 : Harmful if swallowed.
R31 : Contact with acids liberates toxic gas.
R36/37/38: Irritating to eyes, respiratory system and skin.
R42/43 : May cause sensitization by inhalation and skin contact.
R7 : May cause fire.
R8 : Contact with combustible material may cause fire.

List of distributors :

<p>FUJI HUNT Photographic Chemicals Ltd . Orchard Court V Binley Business Park Coventry CV3 2TQ UNITED KINGDOM Tel: +44 2 476 45 55 75 Fax: +44 2 476 54 71 07</p>	<p>FUJI HUNT Photographic Chemicals SARL . 12 Rue Des Chardonnerets ZAC Paris Nord II BP 60343 95941 Roissy CDG Tremblay en France FRANCE Tel: +33 1 48 63 72 57 Fax: +33 1 49 38 00 76</p>	<p>FUJI HUNT Photographic Chemicals GmbH . Opelring 5-9 64572 Büttelborn 2 DEUTSCHLAND Tel: +49 6 15 27 12 20 Fax: +49 6 15 27 12 229</p>
<p>FUJI HUNT Photographic Chemicals N.V. Europark Noord 21-22 9100 Sint-Niklaas BELGIUM Tel: +32 3 760 02 00 Fax:+32 3 776 91 22</p>	<p>FUJI HUNT Photographic Chemicals AB . Bergkällavägen P.O. BOX 321 19230 Sollentuna SVERIGE Tel: +46 8 59 47 09 50 Fax: +46 8 59 47 09 59</p>	<p>FUJI HUNT Photographic Chemicals Srl . Via Torri Bianche 3 Edificio Larice 20059 Vimercate (MI) ITALIA Tel: +39 039 69 90 41 Fax: +39 039 68 58 486</p>