

Safety Data Sheet

according to EEC-Regulation 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Universal Dye

Use of the substance/preparation

Leak detector

Company/undertaking identification

UView Ultraviolet Systems Inc. 1324 Blundell Rd. CAN L4Y 1M Mississauga
Telephone +1 905 615 8620 Fax +1 905 615 8620

Emergency telephone / Office for advice

Advisory office in case of poisoning:

Tel.: CHEMTREC +1 703 527-3877 (outside the USA), 800 424-9300 (within the USA)

Telephone number of the company in case of emergencies:

Tel.:

2. Composition/information on ingredients

Mixture of:

Dyes

Hydrocarbon mixture

2.1 Chemical name	content %	symbol	R-phrases	CAS	EINECS, ELINCS
1-Methylnaphthalene	0,03 - 0,15	Xn/N	22-51-53	90-12-0	201-966-8
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling	10 - 30	---	---	68477-31-6	270-722-0

For complete wording of the R-phrases, refer to point 16.

3. Hazards identification

3.1 To people

See point 11 and 15.

Preparation is not hazardous in the sense of directive 1999/45/EG.

3.2 To the environment

k.D.v.

4. First aid measures

4.1 Inhalation

Supply person with fresh air.

Remove person from danger area.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Keep Data Sheet available.

4.3 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting. Consult doctor immediately.

Danger of aspiration.

4.5 Special resources necessary for first aid

n.g.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Foam

CO2

Water jet spray
Dry extinguisher

5.2 Extinguishing media which must not be used for safety reasons

n.g.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Irritating gases

Danger of explosion by prolonged heating.

Fume

Nitro gases

Explosive vapour/air mixture

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Caution - risk of slipping.

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental measures

If leakage occurs, dam up.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.

7. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

Observe directions on label and instructions for use.

Keep away from sources of ignition - Do not smoke.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Take measures against electrostatic charging, if appropriate.

7.2. Storage

Requirements for storage rooms and containers:

Store products only unopened, in original packing.

Not to be stored in gangways or stair wells.

Store product closed.

Special storage conditions:

See point 10.2

Protect against moisture and store closed.

Store cool

8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the OES, MEL or MAK values, suitable breathing protection should be worn.

Chemical name	content %	OES, MEL, MAK, TRK	BMGV, BAT
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling	10 - 30	50 ppm (200 mg/m ³)	68477-31-6

8.1 Respiratory protection: If OES-, MEL- or MAK-value is exceeded.
Gas mask filter A (EN 141)

8.2 Hand protection: Protective nitrile gloves (EN 374)
Protective hand cream recommended.

- 8.3 Eye protection: Tight fitting protective goggles with side protection (EN 166).
- 8.4 Skin protection: Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

9. Physical and chemical properties

Physical state:	Liquid
Colour:	Yellow, Light brown
Odour:	Aromatic
pH-value undiluted:	k.D.v.
Boiling point / range (°C):	217 - 293
Melting point / range (°C):	k.D.v.
Flash point (°C):	88 cc
Flammability (solid/gas):	k.D.v.
Relative density (g/ml):	0,97
Solubility in water:	Insoluble
Vapour density (air = 1):	> 1
Viscosity:	52,6 mm ² /sec/40°C (DIN 51562) 45sec/4mm/20°C (DIN 53211)

10. Stability and reactivity

10.1 Conditions to avoid

See point 7

Stable when handled and stored correctly.

10.2 Materials to avoid

Avoid contact with strong oxidizing agents.

10.3 Hazardous decomposition products

See point 5.3

10.4 Additional information

Stabilizers necessary:	k.D.v.
Stabilizers available:	k.D.v.

11. Toxicological information

11.1 Acute toxicity and immediate effects

11.1.1 Ingestion, LD50 rat oral (mg/kg):	> 2000
11.1.2 Inhalation, LC50 rat inhal.(mg/l/4h):	k.D.v.
11.1.3 Skin contact, LD50 rat dermal (mg/kg):	k.D.v.
11.1.4 Eye contact:	k.D.v.

11.2 Delayed and chronic effects

11.2.1 Sensitization:	k.D.v.
11.2.2 Carcinogenicity:	k.D.v.
11.2.3 Mutagenicity:	k.D.v.
11.2.4 Reproductive toxicity:	k.D.v.
11.2.5 Narcosis:	k.D.v.

11.3. Further information

Warning - this preparation contains a substance not yet tested completely.

The following may occur:

Irritation of the eyes

With long-term contact:

Dermatitis (skin inflammation)

Headaches

Irritation of the respiratory tract

Effect on the central nervous system

Repeated exposure may cause skin dryness or cracking

Vapours may cause drowsiness and dizziness

12. Ecological information

Water hazard class:	2
Self classification:	Yes (VwVwS)
Persistence and degradability:	k.D.v.
Behaviour in sewage plants:	k.D.v.
Aquatic toxicity:	k.D.v.
Ecological toxicity:	k.D.v.

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

07 03 04 other organic solvents, washing liquids and mother liquors

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

15 01 04 metallic packaging

15 01 02 plastic packaging

15 01 01 paper and cardboard packaging

14. Transport information

General statements

UN-Number: 3082

Road/Rail-transport (ADR/RID)

Class/packing-group: 9/III

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYLNAPHTHALENES)

Classification code: M6

LQ: 28

Transport by sea

IMDG-code: 9/III (class/packing-group)

EmS-Number: n.a.

Marine Pollutant: Yes

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYLNAPHTHALENES)

Transport by air

IATA: 9/-/III (class/secondary danger/packing-group)

Environmentally hazardous substance, liquid, n.o.s. (METHYLNAPHTHALENES)

Additional information:

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Guidelines

(67/548/EEC and 1999/45/EC)

Symbols: Not applicable

Indications of danger: --

R-phrases:

Voluntary:

53 May cause long-term adverse effects in the aquatic environment.

S-phrases:

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Additions:

Warning - this preparation contains a substance not yet tested completely.

Safety data sheet available for professional user on request.

VbF: n.a.

Observe restrictions: Yes

16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany): 10/12
Revised points: 2, 8, 15
22 Harmful if swallowed.
51 Toxic to aquatic organisms.
53 May cause long-term adverse effects in the aquatic environment.

Legend:

n.a. = not applicable / n.v., k.D.v. = not available / n.g. = not checked / OES = Occupational exposure standard
MEL = Maximum exposure limit / BMGV = Biological monitoring guidance value / MAK = Maximum concentration for work place (Germany) / TRK = Technical guidance concentration (Germany) / BAT = Biological tolerance for work place (Germany)
VbF = Regulations for flammable liquids (Germany) / TRbF = Technical regulations for flammable liquids (Germany)
WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water
VOC = Volatile organic compounds (VOCV - Switzerland) / AOX = Adsorbable organic halogen compounds
VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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