

MATERIAL SAFETY DATA SHEET

Catalogue N°: 979153 Date: 23/06/2002

Date previous version: 15/06/2002

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical identity :

STAR FIXER PD 20L

Producer / Distributor :
FUJI HUNT Photographic
Chemicals N.V.
Europark Noord 21-22
9100 Sint-Niklaas
BELGIUM
Tel:+ 32 3 7600 200
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+ 32 3 7600 200

2. COMPOSITION / INFORMATION ON INGREDIENTS

This is a powder mixture in which inorganic compounds are blended together.
The basic ingredients are:

w/w%	CAS N°	EINECS N°	Chemical Name Symb. R-phrases
10-20	7681-57-4	231-673-0	SODIUM METABISULPHITE Xn R:22-31-41
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3. HAZARDS IDENTIFICATION

EU classification :

Harmful (Xn)

Most important hazards :

4. FIRST AID MEASURES

Inhalation :

Move the victim to fresh air. Put person in half sitting position and let rest. In extreme cases seek medical advice.

Skin contact :

Flush with plenty of water. Remove contaminated clothing.

Eye contact :

Rinse eyes thoroughly with water, keep the eyelids wide open to facilitate irrigation. 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. Do not give anything to drink to an unconscious person. In extreme cases seek medical advice.

Other :

No typical symptoms and effects known.

Advice to physician :

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :

Only use extinguishing media which are compatible with the surrounding materials.

Water, waterspray, Carbon Dioxide, dry powder, foam, sand.

Unsuitable extinguishing media :

All extinguishing media are allowed.

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 :

Formation of NH₃, NO_x, H₂S, SO₂ is possible.

Protective equipment :

Use approved positive pressure self-contained breathing apparatus when material is involved in a fire.

Further instructions :

Contaminated extinguishing water should be disposed of in a manner approved by the EEC, country and local regulatory agencies.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :

Wear personal protective clothing. (see § 8)

Environmental precautions :

In case of an accident, avoid the release of product into the environment.

Prevent the product getting into the sewerage system or public waterway. Try

to collect as much as possible in an approved container for later disposal.

Methods for cleaning up :

Carefully collect as much as possible of the powder into a container. Small remaining leftovers may be washed away with large amounts of water.

7. HANDLING AND STORAGE

Handling :

Working areas and methods should be organized in such a way that direct contact is avoided. Wear protective clothing.

Emergency-shower and facilities for rinsing eyes must be accessible.

Fire and explosion prevention :

This product does not contain any combustible ingredients.

Storage requirements :

Store in a dry, cool, well ventilated place away from all ignition and heating sources. Keep the package closed if not in use.

Other information :

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls :

Ensure good ventilation and local exhaustion of the working area.

Exposure limits :

Personal protection :

Inhalation :

Normally a local ventilation is sufficient to keep airborne concentration of chemicals at a low level.

Skin contact :

Wear suitable impervious rubber gloves.

Eye contact :

Wear close fitting safety goggles.

Ingestion :

When handling these chemicals, do not eat, drink or smoke.

Other information :

Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Solid
Colour	:
Odour	:
Boiling point/range	: Not relevant
Melting point/range	: Not determined
Flash point °C	: Not relevant
Flammability	: Not relevant
Autoignition temperature	: Not relevant
Explosive limit lower	: Not determined
Explosive limit upper	: Not determined
Oxidizing properties	: Not determined
Vapour pressure (20°C)	: Not relevant
Solubility in water (25°C)	: Not determined
Solubility in other solvents	: Not relevant
pH solution in water	: Not determined
Partition coefficient n-octanol/water	: Not determined
Viscosity	: Not relevant
Other information	: Not known

10. STABILITY AND REACTIVITY

Stability :

The product is stable under normal storage conditions.

Conditions to avoid :

Do not mix with acid or alkaline products.

Materials to avoid :

The product is not dangerous for various kinds of materials.

Hazardous decomposition products :

Only when the product is involved in a fire, or when it is handled in an incorrect manner, there is a possibility that decomposition products will be generated. (see § 5)

11. TOXICOLOGICAL INFORMATION

Acute toxicity :

SODIUM METABISULPHITE
 LD50 (Oral Rat) = 2000 mg/kg
 TLV-TWA = 5 mg/m³
 LD50 (Dermal rabbit) = > 2000 mg/kg

Different routes of exposure, health warnings :
 Inhalation :
 Avoid breathing mist, vapour or aerosols. Ventilation as required to keep concentrations low.
 Skin contact :
 Avoid contact with skin.
 Eye contact :
 Eye contact can cause irritation.
 Ingestion :
 There are no specific exposure limits determined for this preparation. It is not very likely that this product would be ingested. Furthermore, none of the ingredients shows a very high risk when ingested.

Other information :
 Experience with humans :

12. ECOLOGICAL INFORMATION

Information about elimination :
 Information about environmental compartments :
 Ecotoxicity :
 SODIUM METABISULPHITE
 LC50 (96 hours) = -
 Other information :

13. DISPOSAL CONSIDERATIONS

Product or contaminated product :
 All leftovers, waste or used contaminated products will have to be treated as chemical waste.

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 chemical products are mixed together.

14. TRANSPORT INFORMATION

UN N° : - Description : NON HAZARDOUS SOLID

ADR/RID	Class : NA	Item :NA	TREMCARD :NA
IMDG/ADNR	Class : NA	EmS :NA	Mar.Poll. :N
	Pack.gr.: NA	MFAG :	
ICAO/IATA	Class : NA	Pass. < :NA	Instr. :NA
	Pack.gr.: NA	Cargo < :NA	Instr. :NA

NA = Not Applicable

15. REGULATORY INFORMATION

Chemical identity : SODIUM METABISULPHITE
 Warning sign EU :
 Symbol(s) : Xn
 R(isk) phrase(s) :
 R41 : Risk of serious damage to eyes.
 S(afety) phrase(s) :
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S39 : Wear eye/face protection.
 Exposure limits :
 Other information :

16. OTHER INFORMATION

The information in this MSDS is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

List of distributors :

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