

DATE: 07 March 2006



REVISION:3

MATERIAL SAFETY DATA SHEET

(ACCORDING TO 93/112/EEC)

COMPANY IDENTIFICATION

- Company	FLAMMA S.P.A.
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1. CHEMICAL PRODUCT IDENTIFICATION

- Commercial name	NIMESULIDE MICRONISED
- Other names	N-(4-Nitro-2-phenoxyphenyl) methane sulphonamide micronised
- IUPAC	N-(4-Nitro-2-phenoxyphenyl) methane sulphonamide
- Use	Pharmaceutical raw material

2. INFORMATION ON COMPOSITION

- Name	Nimesulide Micronised		
- Chemical formula	$C_{13}H_{12}N_2O_5S$		
- Molecular weight	308.31 g/mole		
- CAS nr.	51803-78-2	- EINECS nr.	257-431-4

3. HAZARD IDENTIFICATION

Eye:

- May cause eye irritation

Skin:

- May cause skin irritation
- May be harmful if absorbed through the skin

Ingestion:

- May cause irritation of the digestive tract
- May be harmful if swallowed

Inhalation:

- May cause respiratory tract irritation
- May be harmful if inhaled

n.a.= not applicable
n.av.= not available

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4. FIRST AID MEASURES

- General Instructions	Availability of the usual first aid means is requested.
- Eye contact	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers; call a physician.
- Skin contact	In case of skin contact, flush with copious amount of water for at least 15 minutes. Remove contaminated clothing and shoes; call a physician.
- Ingestion	If swallowed, wash out mouth with water provided person is conscious; call a physician.
- Inhalation	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- Notes to physicians	- Treat symptomatically.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media	Water spray, dry chemical powder, carbon dioxide.
- Unsuitable extinguishing media	n.av.
- Unusual fire and explosions hazards	Emits toxic fumes under fire conditions.
- Special protective equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL SPILLING MEASURES

- Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- Sweep up, place in a bag and hold for waste disposal; avoid raising dust.
- Ventilate area and wash spill site after material pickup is complete.

7. STORAGE AND HANDLING

- Handling	Usual protective equipment against chemical powder.
- Storage	Store at room temperature in the original container. Keep away from heat, sparks and flames. Protect from light.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- General measures	Usual cautions for chemical active ingredients handling.
- Personal protection and hygiene	Training to personnel.
- Respiratory protection	Antidust mask.
- Hands protection	Gloves.
- Eyes protection	Goggles.
- Skin protection	Working clothing and safety shoes.
- Technical facility measures	Efficient exhaust system.

n.a.= not applicable

n.av.= not available

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9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical aspect	Crystalline powder
- Colour	Light yellow
- Odour	Odourless
- Melting point	145°-149° C
- Boiling point	n.a.
- Flammability	n.a.
- Flash point	n.a.
- Explosion limits	
- lower	n.a.
- upper	n.a.
- Density	n.a.
- Solubility	
- water	Insoluble
- organic solvents	Soluble in acetone, chloroform, methyl alcohol, less soluble in ethyl alcohol.
- pH (% in H ₂ O)	n.a.
- Liposolubility	n.av.
- Viscosity	n.a.
- Vapour pressure	n.a.
- Partition coefficient n-Octanol/Water	n.av.

10. STABILITY AND REACTIVITY

- General features	Stable in dry conditions and at room temperature for at least 3 years.
- Conditions to avoid	Heat (temp. > 30°C), direct sunlight.
- Materials to avoid	Oxidizers, reducing substances.
- Hazardous decomposition products	Carbon and nitrogen oxides are formed by combustion.

11. TOXICOLOGICAL INFORMATION

- Acute toxicity	n.av.
- LD50 (oral/rat)	324 mg/Kg
- LD50	n.av.
- Human dosage	n.av.
- Additional information	n.av.

12. ECOLOGICAL INFORMATION

- Mobility	n.av.
- Biodegradability	See literature, metabolism studies.
- Degradability	n.av.
- Biological effects	The product is an anti-inflammatory drug.
- Ecotoxicity	n.av.
- Water toxicity	n.av.
- Bioaccumulation	n.av.

n.a.= not applicable

n.av.= not available

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