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MATERIAL SAFETY DATA SHEET
In accordance with Regulation 1907/2006

Date of compliation: 28/01/05
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Date of revision: 09/03/09
Pag. 1

Product: **DURA BLUE IT**

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Name of the product: **DURA BLUE IT**

1.2 Use

Disinfectant

1.3.1 Identification of the Company

ARMAL S.R.L.
Via Fiorentina, 109
50052 Certaldo (FI)
Tel. 0571/663455

1.3.2 Emergency phone number : 0571/663455

1.3.3 e-mail TC: paolaulivi@dangerandsafety.it

2. Description of hazards

2.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xn
Phrases R: 20/21/22-36-68/20/21/22

2.2 Danger Identification

**HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO EYES.**

HARMFUL: POSSIBLE RISK OF IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.



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2. Composition/Information on ingredients

Contains:

Name	Concentration C	Classification
METHANOL	2 <= C < 5	F R11 T R23/24/25 T R39/23/24/25
Cas No 67-56-1 CE No 200-659-6 Index No 603-001-00-X		
Polyethylene Glycol Octylphenyl Ether	4 <= C < 7	R52/53
Cas No 9036-19-5 polimer		Xn R22 Xi R41
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	2 <= C < 3	C R34
Cas No 63449-41-2 CE No 264-151-6 Index No 612-140-00-5		Xn R21/22 N R50

The complete text of -R- phrases is specified in section 16.

4. First-aid measures

4.1 Inhalation

Remove to open air. If breathing is irregular or stopped, administer artificial respiration. Obtain immediate medical attention

4.2 Skin contact

Wash immediately with plenty of water and soap. Remove contaminated clothing. In case of irritation seek medical attention. Wash contaminated clothing before using them.

4.3 Eyes contact

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

4.4 Ingestion

Wash mouth with water. Obtain immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.5 Other



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Change contaminated clothing

5. Fire-fighting measures

5.1 Extinction methods:

CO2, foam alcohol-resistant, AFFF, chemical powder.

5.2 Unappropriate extinction methods:

Water jets

5.3 Special hazards:

The product under fire condition may develop irritant/toxic gas

5.4 Protection methods:

wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

5.5 Other:

Water used in fire-fighting has to be disposed following Local regulation. Cool containers in order to avoid chemical decomposition.

6. Accidental release measures

6.1 Individual Precautions:

Avoid contact with eyes and skin. Move away any unauthorised person. Supply good air circulation. In case of vapours formation wear appropriate protective devices. Exclude sources of ignition.

6.2 Methods of Cleaning:

Absorb the liquid with inert material such as sand or infusorial hearth and remove manually. Wash with water avoiding drainage into Civil Discharge.

6.3 Environmental Precautions:

Collect the product in suitable container for disposal. Notify authorities if product enters sewer or public waters. Do not dry the product.



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7. Handling and storage

7.1 Handling

Supply good air circulation in working area. Avoid all unnecessary exposure, handle in accordance with good industrial hygiene and safety procedures. Wear protective equipment. Do not smoke, eat or drink during the working processes.

7.2 Storage

Keep the packaging properly closed in fresh and ventilated area. Keep far from oxidants protecting from daylight and heat source. Store at temperature below 50°C.

7.3 Particular uses

For particular uses of the product, is necessary to refer to the specific information or contact the technical service of the Company

8. Exposure controls/personal protection

8.1 Exposure limits

Name	Type	State	TWA/8h		STEL/15min		
			mg/m ³	ppm	mg/m ³	ppm	
METHANOL	TLV-ACGIH		262		328		Skin
	OEL	EU	260	200			Skin
	OEL	IRL		200		250	Skin
	WEL	UK		200		250	Skin

8.2 Exposure control:

Avoid contact with the eyes and skin wearing suitable protective devices; store the container sealed when not being used.

Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals.

8.2.1 Individual protection

The DPI's choice must be done on the basis of the test's results obtained according to the rule EN 374

Hand protection : : protective gloves
Eye protection : : Goggles
Skin protection : : suitable protective clothing
Respiratory protection : : Mask with filter in case vapours formation.



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9. Physical and chemical properties

Colour	Blue	
Odour	characteristic	
Physical state	liquid	
Solubility	soluble	g/litre at 20°C
Liposolubility	n.av.	
pH	na	
Boiling point	na	°C
Freezing point	n.d	°C
Flash point	not flammable	°C
Flammability (solid)	n.a.	
Vapor pressure	n.a.	mbar
Density vapors (air =1)	> 1	Kg/l
Explosive properties	n.a	
Comburent properties	n.a	
Division factor: no° - ottanolo/water	n.av.	
Melting point	n.d	°C
Specific gravity	1	Sec. (Ford cup 4 mm)
VOC (Directive 1999/13/EC) :	2-5%	

10. Stability and reactivity

10.1 condition to avoid

The product is stable in normal conditions of use and storage.

10.2 materials to avoid

In contact with strong oxidants exothermal reaction may occur.

10.3 Dangerous decomposition product's

Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

11. Toxicological information

Acute effects: inhalation, cutaneous absorption and ingestion of this product are harmful. This product may irritate mucosas, the upper respiratory tract, and eyes. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea).

This product may cause irreversible, non-lethal damages after a single exposure by inhalation, cutaneous absorption and ingestion.



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METHANOL: oral LD50 (mg/kg) 5300 (RAT) ; dermal LD50 (mg/kg) 15800 (RABBIT) ; inhalation LC50 (rat) 83,2 mg/l/4h

Corrosive/irritation power:

Eyes: irritant

Skin: irritant

12. Ecological information

Ecological information: Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

Ecotoxicity: n.a

Mobility: n.a

Persistency and degradability: n.a

Bioaccumulation factor: na

AOX: This product contains AOX

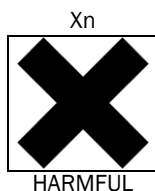
13. Disposal considerations

Operate following the current Local or National Laws.
The non reclaimed containers have to be disposed as the product.
Consider the possibility of burning the product in a suitable incinerator.

14. Transport information

The product is not classified dangerous under transport regulation.

15. Regulatory information



R20/21/22 HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R36 IRRITATING TO EYES.
R68/20/21/22 HARMFUL: POSSIBLE RISK OF IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
S 9 KEEP CONTAINER IN A WELL-VENTILATED PLACE.
S13 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.



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S25 AVOID CONTACT WITH EYES.
S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL
 ADVICE.
S36/37 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

Contains:
METHANOL

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/EC.

16. Further information

Text of -R- phrases quoted in section 3 of the sheet.

R11 HIGHLY FLAMMABLE.
R21/22 HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.
R22 HARMFUL IF SWALLOWED.
R23/24/25 TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R34 CAUSES BURNS.
R39/23/24/25 TOXIC: DANGER OF VERY SERIOUS IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH
 SKIN AND IF SWALLOWED.
R41 RISK OF SERIOUS DAMAGE TO EYES.
R50 VERY TOXIC TO AQUATIC ORGANISMS.
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC
 ENVIRONMENT.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

This sheet cancels and substitutes any previous edition.
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Note for users:



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The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.