

RNG mfg 4pgs

FROM : R.N.GUPTA & COMPANY LTD

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Jul. 30 2007 03:39PM P3

Bombay Paints Limited, Registered Office: B.D. Patil Marg, Chembur, Mumbai - 400074.
Tel: 91-22-25544016/17/18, Fax: 91-22-25540650
Website: www.bombaypaints.com, e-mail: info@bombaypaints.com



MATERIAL SAFETY DATA SHEET

PRODUCT NAME
AD/STOVING RADIATOR MATT BLACK

Manufacturer

BOMBAY PAINTS LIMITED
B.D.PATIL MARG
CHEMBUR, MUMBAI 400074

PRODUCT TYPE
SYNTHETIC RESIN BASED
AIR-DRYING / FORCE DRYING.
TOP COAT

Tel Nos: 25544016-17, 25543490.
Fax No 091 22 25540650
Email:
moitra@bombaypaints.com

AREA OF USE :
Top coat for mild steel pipe fittings
Flanges, etc.

Contact person :
Safety Officer

DECLARATION OF CONTENTS

1. Solvents, other volatile compounds of importance for safety, health & water

Mineral Turpentine

2. Pigments and extenders of importance for safety & health

Carbon Black w/w
Calcium Carbonate
Magnesium Silicate
Aluminium Silicate.

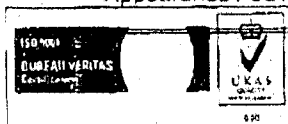
3. Binders, plasticisers and other film formers

Oil modified alkyd resin

PHYSICAL DATA

Flash point	:	37° C
Specific gravity	:	1.1 - 1.18
Volatile solvent (W/W)	:	40 - 45 %
Normal State	:	Liquid
Appearance / odour	:	Liquid paint with no obnoxious odour

Member of



Corporate Head Quarters : Growel House, Akur Road, Khandivā (E)
Mumbai 400 101 India Tel: 91 22 66993000 Fax: 91 22 66993010/11



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HEALTH HAZARDS

The health hazards associated with the product are mainly due to the content of Organic Solvents:

GENERAL :

During application and drying, the product will release solvent vapours. When painting large areas or when working in poorly ventilated rooms, harmful concentrations of solvent vapours may be reached and ventilation, spot exhaustion or personal protection equipments are required. Wash contaminated skin immediately.

Wash contaminated skin immediately.

INHALATION :

Inhalation of vapours and spray mist may cause headaches, fatigue, nausea and vertigo. Larger concentrations may induce unconsciousness and may be harmful to the liver and kidneys. The effects of prolonged and repeated exposure to high concentration are irritability, somnolence, inappetance and irreversible effects on the nervous system.

Avoid inhalation of spray mist as the mist contains all the components of the paint.

SKIN : Degreasing of skin. Prolonged contact may cause irritation and redness.

EYES : Splashes in the eyes causes irritation.

INGESTION : Accidental swallowing may cause vomiting and abdominal pain. Introduction into the lungs by vomiting may induce pneumonia.

FIRST AID MEASURES

Generally, in case of doubt, seek medical advice.

BY ACCIDENT

Contact a doctor or hospital, bring the label or this safety data sheet with the patient

INHALATION

Move the patient into fresh air and keep the patient under surveillance.

If the patient is unconscious and not breathing, administer artificial respiration. If the patient is breathing, place them in the unconscious position and keep warm by wrapping. Send for a doctor or an ambulance immediately.

EYES

Flush immediately with water for atleast 10 minutes. Keep the eye wide open. If necessary, seek medical attention.

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SKIN

Remove contaminated clothing immediately and wash contaminated skin with soap and water. Skin cleanser may be used. Never use thinner or solvent as these degreases the skin.

SWALLOWING

Do not provoke vomiting. If vomiting occurs, keep the patient's head low to prevent vomit from entering the lungs.

FIRE & EXPLOSION HAZARDS

The product is flammable. The solvent vapours which are released may be ignited by sparks, hot surfaces, glowing cigarettes, etc. Vapours are heavier than air and will spread along floors and bottoms of containers. The vapours may form explosive mixtures with air.

PRECAUTION FOR USE

Preparation and cleaning :

Avoid inhalation of solvent vapours and skin contact.

APPLICATION

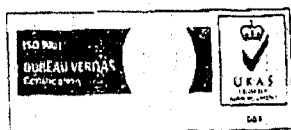
The work must be organised in such a way that inhalation of vapours and spray mist and also contact with skin are minimised.

DRYING AND CURING :

During drying, solvent vapours are released. Provide adequate ventilation.

WELDING, BURNING AND	Heavy Metals Like Lead	:) Absent
SANDING, THE DRY FILM :	Chlorine Compounds	:) Absent
CONTAINS	Nitrogen Compounds	:) Absent
	Zinc Compounds	:) Absent

Fumes, vapours and dust have to be removed from the breathing zone. Always avoid inhalation of slip.



Corporate Head Quarters : Growel House, Akum Road, Kharivoli (E)
 Mumbai 400 101, India. Tel: 91-22-66993000 Fax: 91-22-66993011

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PRECAUTIONS IN CASE OF ACCIDENTS

FIRST AID

Inhalation : Bring the patient into fresh air. In mild cases of indisposition, supervise the patient. If necessary, seek medical advice. In severe cases, if necessary, administer artificial respiration. Place the unconscious patient in the unconscious position and keep warm. Send for the doctor or ambulance immediately.

SKIN : Remove contaminated clothing immediately and wash contaminated skin with soap and water.

EYES : Flush immediately with water for atleast five minutes. Open eyes wide.

INGESTION : Do not induce vomiting. If vomiting occurs, keep the patient's head - low to prevent the stomach contents from entering into the lungs. Send for the doctor or ambulance.

BURNS : Flush with water till the pain ceases. While flushing, remove clothing from the affected area unless it is burnt into the skin. If hospital treatment is necessary, flushing must continue during transfer and until the hospital staff take charge of the treatment.

FIRE :

EXTINGUISHING MEDIA : CO₂, dry chemical, foam, halon or water mist. Do not use water jet which will spread the liquid paint & fire.

SPILLAGE : Remove all sources of ignition. Avoid inhalation of vapours. Clean up with absorbant material or sand.

PRECAUTIONS FOR STORAGE

Comply with State Fire Inspectorate's directives for flammable liquids.

OTHER

As the users' working conditions are beyond our knowledge and control, our advice cannot be regarded as complete. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the Rules and Regulations.

The informations and recommendations provided are believed to be accurate as of this date. We however make no warranty with respect to responsibility or liability pertaining to this information.

ISSUED : July' 2007.

Meeting OSHA Requirements

Material Safety Data Sheets (MSDS) are required for hazardous chemicals under the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 29 CFR 1910.1200. Bonney Forge Corporation® has determined that its valve and fitting products are "articles", as defined by this standard, and therefore do not require material safety data sheets.

OSHA defines "articles" under 29 CFR 1910.1200 (c) as a "manufactured item:"

Which is formed to a specific shape or design during manufacturing.

Which has end use functions(s) dependent in whole or in part upon its shape or design during end use.

Which does not release, or otherwise result in exposure to a hazardous chemical under normal conditions of use.

"Articles" are exempted from the regulations of 29 CFR 1910.1200(b)(5)(iv).

Forged steel fittings and valve products are not in themselves hazardous substances. However, burning, welding, grinding, sawing, shot blasting and machining may generate dust particles or fumes that if allowed, may accumulate in excess of the OSHA recommended Permissible Exposure Limit (PEL) and may present a hazard. All operations of this nature should be performed in well-ventilated areas with adequate protection.

Reference the fitting ASTM material grade for specific elements content, then reference the attached listing of elements for additional information.

If you have any questions please contact our Safety and Environmental Supervisor:

Mr. Glenn L. Gribble
Manager, Human Resources and Safety
Email: ggribble@bonneyforge.com
Phone: 800-345-7546 ext 2404.