

MATERIAL SAFETY DATA SHEET:
Hazardous according to criteria of work safe in India

ADDVALUE INK:

CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

GUJARAT DYESTUFF INDUSTRIES PVT. LTD

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Product Name: "ADDVAULE" INK
Manufacturer's Product Code No: ADV
Use: Flexo Graphic Printing Ink Reducer
UN Number: 1210
Proper Shipping Name: Printing Ink
Dangerous Goods Class: 3; Packing Group: II
Hazchem Code: 3 [Y] E; Poison: None Allocated
IERG NO: 16

COMPOSITION/ INFORMATION ON INGREDIENTS

<u>SUBSTANCE NAME:</u>	<u>PROPORTION</u>	<u>CAS NUMBER</u>
Pigments,	10-12%	Green: 1328-53-6 Blue: 147-14-8 Red 8: 6410-30-6 Yellow: 6358-85-6 Black: 1333-86-4
Polyamide Resins	30%	9012-28-6
Solvents	60%	67-63-0

HAZARD IDENTIFICATION

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HAZARD CATEGORY: Harmful, Irritant

Acute Health Effects:

SWALLOWED:

Harmful if swallowed. May cause to mouth, throat and stomach with effects including pains in the stomach, which may lead to nausea & diarrhea. Swallowing large quantities may result in metabolic acidosis, hypokalemia and hemoglobinuria and possibly seep coma.

EYE:

May cause irritation to the eyes, with effects including: Tearing, pain, Stinging & blurred vision.

SKIN:

May cause irritation to the skin with effects including Redness & Itchiness.

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INHALED:

Harmful if inhaled. Mists from the product may cause irritation to the nose, throat and respiratory system with effects including: Cough, discomfort, difficulty breathing and shortness of breath.

CHRONIC:

Prolonged or repeated skin contact may lead to drying & defecating.

FIRST AID MEASURES

SWALLOWED:

If swallowed DO NOT induce vomiting. If fully conscious, give 1 to 2 glasses of water to drink. Seek urgent medical attention assistance.

EYE:

If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately transport to hospital or doctor.

INHALED:

Remove victim to fresh air. Apply resuscitation if victim is not breathing- Administrator oxygen if breathing is difficult. Transport to hospital or doctor immediately.

FIRST AID FACILITIES:

Eye wash fountain, safety shower and wash room facilities.

Advice to doctor:

Treat symptomatically.

FIRE FIGHTING MEASURES

Fire/ Explosion Hazard

Extinguishing Media: Use dry chemical, carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES:

Self contained breathing apparatus required for fire fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire exposed surfaces and to protect personnel.

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UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapours from this product may travel or be moved by air currents and be ignited by pilot lights other flames, smoking, sparks, heaters, electrical equipments, static discharge or other ignition sources at locations distant from the point of handling.

FLAMMABILITY:

Highly flammable liquid. Avoid all sources of ignition, heat & naked flames.

ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:

Shut off ignition sources, no flares, smoking in hazard area. Stop leak if you can do it without risk. If spill is large bund area, if possible with booms or barriers to prevent liquid entering waterways. Water spray from extinguisher sources may reduce vapour but it may not ignition in closed spaces.

SMALL SPILLS:

Throw vermiculite or kitty litter on to spill. DO NOT use sawdust. Use non- sparking tools (shovels) and scoop up contaminant and place into labeled drum for later disposal.

LARGE SPILLS:

Notify emergency services (Police & Fire Brigade). REMAIN CALM. Tell emergency responders exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear personal protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding of this product.

HANDLING & STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat, ignition, strong alkalis, acids, combustibles and oxidizing agents. All equipment must be earthed. Store in original packages as approved by manufacturer. For further information please refer to the Engineering controls of this MSDS.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Standards:

No exposure standards are available for this product; however, the following exposure standards have been assigned by National Occupational Health & Safety Commission (NOHSC) to the following components of the products:

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References: H

Engineering Controls:

Highly flammable liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Elevated temperature or mechanical action may from vapours, mists or fumes which may require local exhaust ventilation systems.

Personal Protection Equipments:

GLOVES: Nitrile Rubber

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION:

Avoid breathing of vapours. When vapours exceed the exposure standards then the use of a half face respirator with organic vapour cartridge is recommended. If entering spaces where the airborne concentration of a contaminants unknown then the use of a self contained breathing apparatus with positive pressure air supply is recommended.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Various coloured liquids with characteristic odour.

Boiling Point: 80 Deg. Centigrade.

Vapour Pressure: Not available

Specific Gravity: 0.9-1.0

Flash Point: 17 Deg. Centigrade

Flammability Limits: Not available

Solubility in water: Miscible

STABILITY & REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Emits oxides of carbon when heated to decomposition.

HAZARDOUS POLYMERIZATION:

Will not occur

INCOMPATIBILITIES:

Strong oxidizing agents

CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibilities.

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TOXICOLOGICAL INFORMATION

There is no toxicological information available for this product.

FLEXO PP INKS (VARIOUS COLORS)

Oral LDLo (Human): 1,400 mg/kg
Reaction: Stupor, sleepiness, headache

Oral LD50 (rat): 7,060 mg/kg

ECOLOGICAL INFORMATION

This substance may cause mild adverse effects in the environment. It is anticipated that the ethanol will volatilize. The resin and dye contained in this product are anticipated to persist in the environment. Avoid contaminating drains, sewers or waterways.

DISPOSAL CONSIDERATION

Advise flammable nature.

TRANSPORT INFORMATION

UN NUMBER: 1210
Proper Shipping Name: Printing Ink
Dangerous Goods Class: 3
Packing Group: II
Hazchem Code: 3[Y] E

Classified as class 3 [Flammable Liquid]

REGULATORY INFORMATION

Poison Schedule: None allocated

RISK PHRASES:

R 11 Highly Flammable

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SAFTETY PHRASES:

- S2 Keep out of reach of children
- S7 Keep container tightly closed
- S 16 Keep away from sources of ignition- No Smoking
- S 23 Do not breathe vapour
- S 33 Take precautionary measures against static discharge

Reference Documents:

IATA dangerous goods regulations.

OTHER INFORMATION

Technical Manager: +91-79- 65459266/ 67

Write to us: gdipl@gdipl.com

Disclaimer:

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