



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

MATERIAL SAFETY DATA SHEET :- Solvent Black - 27

1. Identification of the Substance / Preparation and the Company / Undertaking.

Product Name	:	Solvent Black 27
*SUPPLIER / MANUFACTURE	:	ARIHANT CHEMICAL CORPORATION 24/5 KRISHNA KUNJ BLDG,BEHIND ARORA CINEMA OPP SAHAKARI BHANDAR SEWARI WADALA ROAD MATUNGA-MUMBAI - 400019
*CONTACT NO.	:	PH.:-22-24148378 OR 22.24146390 CELLULAR:-9820142066 - 9029042066
*EMAIL	:	info@arihantchemcorp.com or nilesh@arihantchemcorp.com

2. Composition / Information on Ingredients.

Chemical Characterization	:	Chrome Complex C.I. Solvent Black 27
Hazardous Component (S): 100 %	:	Amine Salt Chromium Complex

3. Hazards Identification:

Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.
Risk of violent dust explosion (class 3)

4. First Aid Measure :

Inhalation	Move to fresh air. If you feel unwell, seek medical advice.
Skin contact	Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water.
Eye contact	Rinse immediately with plenty of water and seek medical advice.
Ingestion	Rinse mouth. Consult a physician

5. Fire-Fighting Measures

Extinguishing Media	:	
- Suitable	:	Water mist, carbon dioxide, foam, dry powder.
-unsuitable	:	-
Special Exposure Hazardous	:	Do not release chemically contaminated water into drains, Soil or surface water. Sufficient measure must be taken to Retain the water used for extinguishing. Dispose of Contaminated water and soil according to local regulations. Wear self-contained breathing apparatus.

Regd Off: - Plot no 24 Block no .5, 1st floor, Behind Aurora cinema , opp Sahakari bhandar, Matunga (C.R) Mumbai – 400019

Administration /correspondence Office :- Plot No. 319,Room No.3, Ranchoddas Terrace building ,sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019 Tel :- +91 22 24148378 / 24146390

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Continue page 2.....



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6. Accidental Release Measures

- Personal Precautions : Do not ingest or breathe in. Avoid contact with skin, eyes And clothing
- Environmental Precautions : Prevent contamination of soil, drains and surface waters.
- Measures in Case of Spillage: Take up mathanically and collect in suitable container for Disposal Avoid dust formation. Prevent product from Entering drains. Wear protective clothing and breathing Apparatus.

7. Handling and Storage

- Spec. Fire and Expel. Precautions Avoid dust formation Dust clouds from finely particulated Pigments may be hazardous (dust explosion risk). Take precautionary measures against staic discharges. Keep away from heat and sources of ignition.
- Storage Conditions : Keep tightly closed in a dry and cool place.
- Technical Protective Measures: Provide appropriate exhaust ventilation at places where dust is Formed.

8. Exposure Controls / Personal Protection

- Exposure Limit(S) : See Other Information, Pos.16.
- Workplace Hygiene : Keep away from food and drink. Follow good industrial Hygiene practice.
- Protective Measures :
- Respiratory Protection : Respirator must be worn if exposed to dust
 - Eye Protection : Wear suitable goggles.
 - Skin and Body Protection : Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties.

- Formula :
Molecular weight :
Form : Powder
Colour : black
Odour : odorless
Melting point / range : not applicable
Flash point : not applicable
Flammability (Solid, gas) : Is not considered highly flammable
Auto ignition temperature : 210 °C
Ignition point : 350 °C, BAM (fluidized dust)
Burning behavior : Class 4-4: glows red hot without producing sparks (Smoldering fire), or slow decomposition without flame at 20 °C – glows red hot without producing sparks (smoldering Fire), or slow decomposition without flame at 100 °C.

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Continue page 3.....



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Explosion limits	:	
Oxidizing properties	:	None
Vapor pressure	:	ca.1.5 Pa at 25 °C
Density	:	2.9 g/cm ³ at 20 °C
Water solubility	:	Practically insoluble
Solubility in other solvents	:	300gpl at 37 °C in Acetone
pH-Value	:	Ca. 6.5 in Water, as suspension.
Partition Coefflc. Log Pow	:	0-3.7 at 20.5 °C
Viscosity	:	not applicable

10. Stability and Reactivity

Thermal Stability	:	No thermal effect found between room temperature and 150 °C. Decomposition temperature approx.200 °C (as product)
Thermal Sensitivity	:	Product is not explosive when subjected to mechanical Impact.
Friction Sensitivity	:	Product is not explosive when subjected to friction.
Materials to avoid	:	Not known
Hazard. Decamp. Products	:	Thermal decomposition or burning may release oxides of Carbon and nitrogen. Other toxic gases and / or vapors are also possible.

11. Toxicological Information

Acute Oral Toxicity	:	LD50 :> 5000 mg/kg	Species: Ra
Acute Dermal Toxicity	:	LD50 :> 2000 mg/kg	Species: Ra
Acute Inhalation Toxicity	:		
Skin Irritation acute	:	non-irritating	Species: Rabbit
Eye Irritation acute	:	non-irritating	Species: Rabbit

12. Ecological Information

Fish Toxicity	:	LC50 (96-hours) on carp of exposure was calculated to be Approx. 2 mg/l (nominal approx. 110 mg/l)
Daphnia Toxicity	:	Daphnia magna were exposed to a nominal concentration of 1000 mg/l for 24 hours without any significant adverse effects being observed.
Biodeger in Aqueous Systems:	:	Not readily bildegradable (mod. Sturm test)
Environmental Impact Statement:	:	Do not release into surface and waste waters or soil.

13. Disposal Considerations.

Disposal	:	Burning or disposal in accordance with local regulations for Chemical waste
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EWC Code : 070399

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14. Transport Information

Transport Railway and Road: RID / ADR Class:9 12C
: UN-NO.:3077
PSN: Environmentally Hazardous Substance, Solid, N.O.S.
Additional Information : Amine Salt of 1:2 Chromium/Monoazo Complex

Transport Air : IATA Class: FREE
: UN-No.: FREE

Transport Sea : IMDG Class: 9
: IMDG Page: 9029
: UN-No.: 3077
: PSN: Environmentally Hazardous Substance, Solid, N.O.S.
Additional Information: (Amine Salt of 1:2 Chromium/Monoazo Complex, Marine Pollutant)

CEFIC Classification # : 90UMW – 94

Internal site transport
Stack carefully and prevent toppling. Use fracture-proof
Container labeled according to the regulations or take the
original packaging.

15. Regulatory Information

Declaration : classification required
Symbol(s) : N-Dangerous for the environment
R-phrase(s) : R51 – Toxic to aquatic organisms.
R53 – May cause long-term adverse effects in the aquatic
Environment
S-phrase(s) : S61 – Avoid release to the environment. Refer to special
Instructions/Safety data sheets

Hazard Release : Amine Salt of 1:2 Chromium / Monoazo Complex

16. Other Information

Organic Chlorine :
Chromium content : ca.5.5 %
This product should be stored, handled and used in accordance with good industrial hygiene
Practices and in conformity with any legal regulations. The information contained herein is
Based on the present state of our knowledge and is intended to describe our product from the
Point of view of safety requirements. It should therefore not be construed as guaranteeing
Specific properties.

Changes to last Edition:

Section 11: System / data correction. Now only results from the most recent test appears on
The MSDS.

There has been no change in classification and labeling.

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