



CHIN CHA-ROEN INTERCHEM CO.,LTD.

899/69 MOO15 THEPARAK RD.,BANGSAOTHONG, AM-PUR BANGSAOTHONG,

SAMUTPRAKARN 10570 THAILAND TEL.662 706-4470-2 FAX.662 706-4427

www.chin-charoen.com , e-mail: qa@chin-charoen.com

METERIAL SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- Trade Name : Trivalent blue HP 49

- Manufacturer's Name : HOLSEN INTERCHEM SDN.BHD.
 - o Address : NO.16, Jalan Anggerik Mokara 31/44,
Kota Kemuning, Seksyen 31.
40460 Shah Alam. Selangor D.E
 - o Emergency Tel No : 03-51225751

SECTION 2 : HAZARD IDENTIFICATION

- Hazard description :



C Corrosive

- Information concerning to particlar hazards to man and environment
 - R 22 Harmful if swallowed.
 - R 34 Causes burns.
- Classification system
 - The classification is according to the latest edition of the EU-lists, and extended by company and literature data.



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SECTION 3 : COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

- Ammonium hydrogenfluoride CAS NO : 1341-49-7
- Chromium nitrate solution CAS NO : 7789-02-8
- Sulphuric acid CAS NO : 7664-93-9

NOTE : This solution contain of Trivalent chromate.

SECTION 4 : FIRST AID MEASURES

- Ingestion : When using do not eat, drink and smoke.
- Eye contact & skin contact : Wash immediatery with plenty of water until no

Evidence of chemicals remains.

SECTION 5 : FIRE-FIGHTING MEASURES

- Non-flammable liquid.

SECTION 6 : ACCIDENTAL RELEASE MEASURE

- Wash area with plenty of water, and collect it into container for scheduled waste.

SECTION 7 : HANDLING AND STORAGE

- Handling : Use in will ventilated area.
Avoid contact with eye, skin and clothing.
Keep container tightly closed when not used.
- Storage : Do not store in direct sunlight.
Keep at room temperature.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : Not required.
- Ventilation (Mechanical) : Not required.
- Protective Gloves : Rubber gloves.
- Eye protection : safety goggles.



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

- Boiling Point : N/A
- Vapor Pressure : N/A
- Vapor Density : N/A
- Solubility in water : Yes
- Appearance in water : Dark green in colour
- Specific Gravity : 1.220-1.250
- Melting Point : N/A
- Evaporation Rate : N/A

SECTION 10 : STABILITY AND REACTIVITY

- Stability : Stable
- Hazardous : Will not occur
- Conditions to avoid : N/A

SECTION 11 : TOXICOLOGICAL INFORMATION

- Harmful by inhalation and harmful if swallowed

SECTION 12 : ECOLOGICAL INFORMATION

- Mobility : Miscible in water.
- Bioaccumulation : Very low bioconcentration factor.
- Biodegradability : not biodegradable.

SECTION 13 : DISPOSAL INFORMATION

- Do not empty into drains. Should be treated as trivalent chromium before draining.

SECTION 14 : TRANSPORT INFORMATION

- Special shipping instruction : not applicable.



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SECTION 15 : REGULATORY INFORMATION

- Harmful by inhalation if contact with skin and if swallowed.
- In case of contact with eyes and skin, rinse immediatery with plenty of water and seek medical advice.

SECTION 16 : OTHER INFORMATION

- The data given here is based on current knowledge and experience.
- The purpose of this safety data sheet is no describe the product in terms of their safety product properties.