



GOUDEN SDN. BHD. (No.: 744652-H)

39 Persiaran Kilang Pengkalan 22, Pengkalan Maju Industrial Park,
31500 Lahat, Ipoh, Perak, Malaysia.

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SAFETY DATA SHEET

Garnet

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CAS NO

N/A

Product Name

Garnet

SUPPLIER

Company : Gouden Sdn Bhd
Address : 39 Persiaran Kilang Pengkalan 22, Pengkalan Maju Industrial Park, Ipoh
31500 Perak, Malaysia
Telephone : (605) 322 0968
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SECTION 2 : HAZARD IDENTIFICATION

GHS CLASSIFICATION:

Physical Hazards: -

Not classified as an physical hazard under GHS criteria.

Health Hazards: -

Not classified as an physical hazard under GHS criteria

Environmental Hazards: -

Not classified as an environmental hazard under GHS criteria.

GHS HAZARD STATEMENTS:

Physical Hazards: -

Not classified as an physical hazard under GHS criteria.

Health Hazards: -

Not classified as an physical hazard under GHS criteria

Environmental Hazards: -

Not classified as an environmental hazard under GHS criteria.

GHS PRECAUTIONARY STATEMENTS:

Response

P304 + P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P303 + P361 + P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

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Storage

P233: Keep container tightly closed.

Disposal

P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name: Garnet

Composition:

Product Name	Code	CAS No
Garnet	N/A	N/A

SECTION 4 : FIRST AID MEASURES

EYES : Rinse cautiously with water for several minutes lifting eyelids to ensure complete flushing. Remove contact lenses, if possible. Get medical advice/attention if irritation persists.

SKIN : Remove contaminated clothing and wash affected area with plenty of soap and water. Get medical attention if irritation develops or persists.

INGESTION : DO NOT induce vomiting. If victim is conscious and alert keep the affected person warm and at rest. Never give anything by mouth to an unconscious person. When vomiting spontaneously, incline the body to avoid aspiration into respiratory tract. Get medical attention immediately.

INHALATION : Remove to fresh air. If not breathing, give artificial respiration. Keep affected person warm and rest. Get immediate medical attention.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing media:

Small Fires

- Dry chemical, CO2, Water spray or regular foam.

Large Fires

- Water spray, fog or regular foam.
- DO NOT use straight streams.
- Move containers from fire area if can do without risk.

Fire involving Tanks or car/trailer loads:

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- Always stay away from tanks engulfed in fire.

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- For massive fire, use unmanned hose holders or monitor nozzles; if impossible, withdraw from area and let fire burn out.
- Use water spray to cool fire exposed surfaces and to protect personnel.
- Shut off fuel to fire if possible to do so without hazard.
- If a leak or spill has not ignited use water spray to disperse the vapours.
- Either allow fire to burn out under controlled conditions or extinguish with foam or dry chemical.
- Try to cover liquid spills with foam.
- Avoid spraying water directly into storage containers due to danger of boilover.

Specific hazards arising from the chemical:

- **Hazardous combustion Products:** Fumes, smoke, and carbon monoxide.
- Flammable liquid; may release vapours that form flammable mixtures at or above the flash point.
- Toxic gases may form upon combustion.
- This liquid is volatile and gives off invisible vapors.
- Either the liquid or vapour may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Special protective equipment and precautions for fire fighters:

- A self-contained breathing apparatus (SCBA) is recommended for indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA is optional.
- Respiratory and eye protection required for fire fighting personnel.

Caution: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Emergency Respond:

- As an immediate precautionary measure, isolate spill or leak area for at least 50meters (150 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed space before entering.
- Collect back the liquid spill for later disposal.
- Water spray may reduce vapour; but may not prevent ignition in closed spaces.

Land spill:

- Eliminate source of ignition.
- Prevent additional discharge of material, If possible to do so without hazard.
- Prevent spills from entering sewers, watercourses or low areas.
- Contain spilled liquid with sand or earth.
- Do not use combustible material such as sawdust.
- Recover by pumping (use an explosion proof motor or hand pump), or by using a suitable absorbent.

Water spill:

- Eliminate sources of ignition.
- Warn occupants and shipping in downwind area of fire and explosion hazard and request all to stay clear.
- Remove from surface by skimming or with suitable absorbents.
- If allowed by local authorities or and environmental agencies, sinking and/or suitable dispersants may be used in unconfined waters.

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Protective clothing

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural fire fighters protective clothing will only provide limited protection.

Evacuation:

Large spills:

- Consider initial downwind evacuation for at least 300 meters (1000 feet)

Fire:

- If tank, rail car or tank truck is involved in a fire, isolate for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions.
- Evacuate danger area in large spill.
- Consult an expert in large spill. Remove all ignition sources.
- Ventilation.
- Collect liquid in sealable containers.
- Adsorb remaining liquid in sand or inert adsorbent and remove to safe place.

SECTION 7 : HANDLING AND STORAGE

Handling:

No special regulations

Storage:

No special regulations

SECTION 8 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering Controls:

Control airborne concentrations below the exposure limits. Use only with adequate ventilation. Local exhaust ventilation may be necessary. Lethal concentrations may exist in areas with poor ventilation. Provide ventilation in confined space. Use explosion proof ventilation equipment.

Respiratory Protection::

When respiratory protection is required, or concentrations are unknown use approved air-purifying respirator equipped with organic vapor cartridges or canisters.

For emergency and other conditions where exposure limit maybe greatly exceeded, use an approved positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply.

Skin Protection:

For repeated or prolonged contact, wear appropriate protective clothing, apron and impervious gloves such as neoprene. Clothing fabric such as PVA, Teflon, Viton, PE/EVL, Barricade, CPF3 are recommended.

Eye Protection:

Use chemical goggles with side shields. If vapor exposure causes eye discomfort, use a full-face, supplied-air respirator to prevent other exposure.

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

STATE OF MATTER : Solid
COLOUR : Pink to reddish brown
ODOUR : Odourless
FREEZING POINT : None ° C
BULK DENSITY (20° C) : 2300 Kg/m³
SOLUBILITY : Not soluble in water
pH : Not available

SECTION 10 : STABILITY AND REACTIVITY

Reactivity/ Chemical Stability:

This product is stable under normal condition of use.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur. Reacts violently with strong oxidants causing fire and explosion hazard.

Hazardous Decomposition Products:

None.

SECTION 11: TOXICOLOGICAL INFORMATION

Garnet is not classified as toxic.

SECTION 12 : ECOLOGICAL INFORMATION

persistence (degradation): N/A
Aquatic toxicity: N/A
CSB-value: N/A
BSB5-value: N/A
AOX advice: N/A

SECTION 13: DISPOSAL INFORMATION

Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

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SECTION 14 : TRANSPORT INFORMATION

UN number: 1294
UN proper Shipping name: Garnet
Hazchem code: 3YE
WHMIS Information:
Class B, Division 2: Non-dangerous goods
Class D, Division 2: Subdivision B: Non-dangerous goods
Packing Group: II
Primary TDG: Class 3
Subsidiary TDG: Class 9.2
F symbol
Xn symbol
R: 11-38-48/20-63-65-67
S: 2-36/37-46-62
UN Hazard Class: 3
UN packing Group: II
Transport Emergency Card: TEC (R)-30S1294

Transport in Bulk (Annex II of MARPOL 73/78 and the IBC code)

Pollution Category : Y
Ship Type : 3
Product Name : Garnet

SECTION 15 : REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Local Regulations

- Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013 (CLASS Regulations)
- Occupational Safety and Health ((Use and Standards of Exposure of Chemicals Hazardous to Health) Regulation 2000.
- Custom Act 1967 – require Export Permit
- Environmental Quality Act 1974, Environmental Quality (Scheduled Wastes) Regulations 2005

SECTION 16 : OTHER INFORMATION

Date of Preparation : 3rd Jun 2016

Revision Number : 1

Source of data : SDS of Material Manufacturers

Additional Information : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product. For further information, contact **GOUDEN Sdn. Bhd.**

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Details of Changes from Previous SDS: -

Section	Section Details of changes
2	i.) Removal of classification for Acute toxicity (oral) – Cat. 5 and Acute aquatic toxicity – Cat. 2. ii.) Additional information on STOT iii.) Revise the classification for “Serious eye damage/ eye irritations” from Cat 2B to Cat 2. iv.) Hazard statements: Removal of H303 and H401; Change H320 to H319; Insert H335. v.) Precautionary statements: Removal of P281, P273, and P391; Change P403+P205 to P403+P235; Insert P271, P304+P340, P308+P313 and P370+P378.
4	Amendment on the information for inhalation
9	Change of the flash point from 110.2~110.8 oC to 110~111oC; Additional parameters for chemical properties.
14	Added information for Transport in Bulk according to MARPOL 73/78 Annex II.