

1 PRODUCT IDENTIFICATION AND COMPANY NAME

Product Name : Gold Star 2K Hardener
Product Identification : Aliphatic Polyisocyanate hardener blend with hydrocarbon solvent for 2K Polyurethane paints coating
Supplier/Manufacturer : Gold Star Paints
Address : 106 Mwakalinga Street
 Chang'ombe
 Dar Es Salaam
 Tanzania

Contact : Rajesh Wagh
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Resin : N/A
 Hazardous Components : Hydrocarbon and Ester solvent blend containing
 Mineral Turpentine <10% CAS No 64742-88-7 EC No 649-405-00-X

R Phrases R10, 20/21/65
 S Phrases S2. 13, 43, 62
 Classification Harmful, Xn



SAPMA Health Rating =
2-Moderate, Temporary
or minor injury possible
even if treatment given

3 HAZARDS IDENTIFICATION

Physical/Chemical Hazards : This paint is FLAMMABLE-see above symbols
Human Health Hazards :

- Respiration* : May cause irritation, dizziness, nausea and loss of consciousness.
- Eyes* : May cause moderate irritation.
- Ingestion* : May cause gastro-intestinal irritation, dizziness, nausea and loss of consciousness.
- Skin* : May cause sensitization. May also be a skin irritant and repeated contact may increase this effect.

Environmental Hazards : Toxic to aquatic organisms. May cause short-term adverse effects in the aquatic environment.

4 FIRST AID MEASURES

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation : Move to a safe area with fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by a trained person. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Eye Contact : Rinse thoroughly with potable water for at least 10 minutes.
Ingestion : Do not induce vomiting. Keep person warm and at rest. Seek medical advice immediately and show this Safety Data Sheet to the medical officer.
Skin Contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do not use solvents or thinners.

5 FIRE-FIGHTING MEASURES

Extinguishing Media : Use foam, CO2, dry powders and water mist. Do NOT use a high-

Recommendations : pressure water jet.
: Decomposed products are a health hazard. Use appropriate breathing apparatus. Cool closed containers exposed to fire with water to prevent ignition.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions : Ventilate the area. Avoid breathing in vapours. Remove all sources of ignition e.g. flames, sparks, static electricity and heat.
Spill : Contain and collect spillage with absorbent material. Dispose of according to local regulations. Do not allow spillage to enter sewerage drains or watercourses.

7 HANDLING AND STORAGE

Handling : Keep container tightly closed. Keep away from heat, sparks and flame. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. After handling the material, workers should wash hands and face before eating, drinking and smoking. Always comply with health and safety regulations.
Storage : Store in original container. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from oxidizing agents, strong alkaline and acids. No smoking. Containers which have been opened must be carefully resealed and kept upright to prevent leakage.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures : Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
Personal Protective Equipment :
Respiration : Should ventilation be inadequate or if workers are exposed to concentrations above the exposure limit, appropriate certified respirators must be used.
Eyes : Use safety eyewear designed to protect against splash of liquids. Never touch eyes with dirty hands or gloves.
Ingestion : Observe the rules of hygiene. Wash hands and face before eating, drinking or smoking.
Skin : Use protective gloves. Wash immediately in case of contact.
Environmental Exposure Control : Do not allow product to enter sewerage drains or watercourses.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
Solid Matter by Content : *By Volume* : NIL *By Mass* : NIL
Flash Point (°C) : Above 24 °C
Solubility : Solvent
Viscosity : 22 seconds/FC4

10 STABILITY AND REACTIVITY

Stability : Stable under recommended storage and handling conditions.
Conditions to Avoid : Ignition sources, flames, sparks, static and heat.
Materials to Avoid : Oxidizing agents, strong alkaline or acidic materials.

11 TOXICOLOGICAL INFORMATION

- Frequent and prolonged skin contact may cause irritation and skin inflammation.
- Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.
- In case of contact with the product, danger of absorption through the skin, irritation of the skin/mucous membranes.

12 ECOLOGICAL INFORMATION

- There is no data available on the preparation itself.
- Product is considered a water pollutant. Do not allow to enter drains or watercourses.

13 DISPOSAL CONSIDERATIONS

- Do not allow to enter drains or watercourses.
- Dispose according to state and local applicable regulations.
- Empty containers are suitable for recycling.

14 TRANSPORT INFORMATION

Not classified as dangerous for transport.

15 REGULATORY INFORMATION

Classification: Harmful, Xn

R10	Flammable
R20/21	Harmful by inhalation and contact with the skin
R65	Harmful- may cause lung damage if swallowed
S2:	Keep out of reach of Children
S13	Keep away from food, drink and animal feed stuffs
S43	In case of fire, use water, fog, foam or powder-do not use water jets
S62	If swallowed, do not induce vomiting but seek medical advice immediately

16 OTHER INFORMATION

Date of Printing	: January 2025
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Notice	: The information in this MSDS is based on the present state of our knowledge and on current national laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product – it is not to be considered as a guarantee of the product's properties.