



Safety Data Sheet

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: 240 GOLD METALLIC Product Code: 240 GOLD

1.3 Details of the Supplier of the safety data sheet

North America:
NOR-COTE INTERNATIONAL, INC.
 506 Lafayette Avenue
 Crawfordsville, Indiana 47933 USA
 Phone: 765-362-9180 (day phone)
 MSDS Issuer: EHS Department
Emergency Phone:
CHEMTREC (United States)
800-424-9300

Europe:
NOR-COTE INTERNATIONAL LTD.
 Unit 8 Warrior Park, Eagle Close
 Chandlers Ford Industrial Estate
 Eastleigh, Hampshire
 SO53 4NF England
 Tel: +44 (0) 23 80270542 (day phone)
Emergency Phone:
CHEMTREC (Outside U.S.)

Asia:
NOR-COTE INTERNATIONAL PTE. LTD.
 Blk 4012 Ang Mo Kio Ave 10,
 #05-08 Techplace 1,
 Singapore 569628
 Tel +65 6291-0898 (day phone)
Emergency Phone:
CHEMTREC (Outside U.S.)
703-527-3887

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to the Globally Harmonized System (GHS).

2.2 Label Elements

GHS Ratings:

Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Organ toxin single exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies, Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidan
Organ toxin repeated exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidanc
Aquatic toxicity	A2	Acute toxicity > 1.00 but <= 10.0 mg/l

GHS Hazards

H317	May cause an allergic skin reaction
H350	May cause cancer
H370	Causes damage to organs

GHS Precautions

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P270	Do not eat, drink or smoke when using this product

H372 Causes damage to organs through prolonged or repeated exposure
 H401 Toxic to aquatic life

P273 Avoid release to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P314 Get Medical advice/attention if you feel unwell
 P363 Wash contaminated clothing before reuse
 P302+P352 IF ON SKIN: Wash with soap and water
 P308+P313 IF exposed or concerned: Get medical advice/attention
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

Danger



2.3 Other Hazards

EMERGENCY OVERVIEW: Product is a liquid with mild acrylic odor that may be harmful if inhaled or swallowed. Product may cause serious damage to eyes, allergic skin reactions and irritation to respiratory system. Avoid breathing vapors. Avoid spillage to sewers or waterways.

ROUTES OF ENTRY: Dermal, Inhalation, Ingestion
 None Known

ACUTE HEALTH EFFECTS: Irritant to skin, eyes and respiratory tract. Effects may be delayed for several hours.

Eyes Kidneys Liver Skin Respiratory System

Skin Contact: Potential irritant and can cause allergic skin reaction. Repeated or prolonged contact may cause sensitization.

Eye Contact: Liquid, vapors, or mists may cause eye irritation. Protect eyes from repeated or prolonged contact.

Ingestion: May be harmful if swallowed. Gastrointestinal tract irritation may result.

Inhalation: May be harmful if inhaled. May cause irritation to upper respiratory tract upon prolonged or repeated inhalation.

Effects of Overexposure

Carcinogenicity:

None Known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Repeated and prolonged overexposure may increase the potential for adverse health effects.

CHRONIC HEALTH EFFECTS: No data available for mixture.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

*Note: The exact concentrations of the below listed chemicals are being withheld as a trade secret

Chemical Name	Percent Weight	CAS #	EC No.	Classification (GHS)
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Copper	20.00 - 30.00 %	7440-50-8		H300, H330, H317, H370, H335, H372
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SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

INHALATION: Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.

EYE CONTACT: Flush the eye and under lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.

SKIN CONTACT: Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected areas using mild soap.

INGESTION: If appreciable quantities are swallowed, seek immediate medical attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Evacuate area of all non-emergency personell. Firefighters must wear full emergency equipment with self contained breathing apparatus. At elevated temperatures hazardous polymerization may occur causing container rupture and in extreme cases, explosion. Fight fires from upwind and cool intact containers with water spray or stream at maximum range.

Flash Point: 100 C (212 F)

FLAMMABLE/EXPLOSIVE LIMITS (Volume % in air): Not established

EXTINGUISHING METHOD: Water fog, carbon dioxide (CO2) or dry chemical

OSHA CLASSIFICATION: Class IIIB Combustible

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Person precautions, protective equipment and emergency procedures

Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection.

6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained

6.3 Methods and materials for containment and cleaning up

Absorb with inert materials such as dry clay or sand and place in closed container for disposal as solid waste in accordance with all applicable regulations.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid any unnecessary contact. Use protective clothing specified in Section 8.

7.2 Conditions for safe storage, including and incompatibilities

Store away from heat and sunlight to prevent spontaneous polymerization. Store below 90° F (32° C). Protect containers from physical damage. Storage of containers should conform to flammable and combustible liquid regulations.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits: Not established for mixture

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Copper 7440-50-8	0.1 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dust and mist)	0.2 mg/m ³ TWA (fume)	NIOSH: 1 mg/m ³ TWA (dust and mist); 0.1 mg/m ³ TWA (fume)

8.2 Exposure Controls

VENTILATION: Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination.

EYE PROTECTION: Use splash-proof safety goggles or safety glasses that are ANSI approved to prevent eye contact. Eyewash availability is also recommended.

HAND PROTECTION: Use nitrile, butyl or other gloves that are resistant to chemicals in Section 2. Replace immediately if punctured or torn or when a change of appearance (color, elasticity, shape) occurs. A minimum of 0.45mm thick gloves for long duration exposure (up to 4 hours) or mechanical handling activities; single use, disposable gloves for short duration exposures not exceeding 30 minutes or where splashes are likely, are recommended.

RESPIRATORY PROTECTION: Use of NIOSH/MSHA approved respirators is recommended where exposure limits may be exceeded. Consult the respirator manufacturer for appropriate type and application.

SKIN PROTECTION: Protective or disposable outer clothing is recommended.

Environmental Exposure Controls: Avoid release to the environment. The product should not be allowed to enter drains, water courses or the soil.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid with moderate viscosity	Odor:	Mild Acrylic odor
Vapor Pressure:	Not Established	Vapor Density:	Heavier than Air
pH:	Not Established	Formula KG / Gal	5.98
Melting point:	Not Available	Freezing point:	Not Available
Solubility:	Not Soluble in Water	Boiling range:	Not Available
Flash point:	See section 5.1	Evaporation rate:	<1
Flammability:	See Section 5.1	Explosive Limits:	See Section 5.1
Viscosity:	See Certificate of Analysis	Specific Gravity (SG)	1.580
Grams VOC less water:	<1%		

SECTION 10 - REACTIVITY / STABILITY HAZARD DATA

10.1 Reactivity

None known

10.2 Chemical Stability

This material is stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reaction

Under certain conditions (excess temperatures and contamination) hazardous polymerization may occur. Avoid high temperature and contamination with foreign materials.

10.4 CONDITIONS TO AVOID:

Excessive heat, ignition sources and contamination with dirt and other foreign materials.

10.5 incompatible Materials:

Avoid contamination or inappropriate mixing with strong oxidizing agents, peroxides, strongly caustic materials and metal corrosion products including rust. Do not expose to UV light during storage.

10.6 Hazardous decomposition products

Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic fragments which are flammable, irritating or toxic.

Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Component Toxicity:

Component Description Oral, Dermal, Inhalation Toxicity	Ecotoxicity:
Copper	96 Hr LC50 Pimephales promelas: 0.0068 - 0.0156 mg/L; 96 Hr LC50 Pimephales promelas: <0.3 mg/L [static]; 96 Hr LC50 Pimephales promelas: 0.2 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.052 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 1.25 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 0.3 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: 0.8 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 0.112 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 0.03 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 0.0426 - 0.0535 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 0.031 - 0.054 mg/L [static]

TOXICOLOGICAL DATA: Slightly Toxic by injection. Prolonged or repeated exposure may result in sensitization.

LC50 - Not determined for mixtures

LD50 - Not determined for mixtures

MUTAGENICITY: Not determined for mixtures

REPRODUCTIVE EFFECTS:

Not determined for mixtures

CARCINOGENICITY: IARC? Not Listed NTP? Not listed OSHA? Not Listed

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

No determination has been made on ecological impact. However, it is recommended to prevent contamination of the environment with this product, i.e. soil, landfills, drains, sewers, surface waters, etc.

12.2 Persistence and degradability

No determination has been made on ecological impact. however, it is highly recommended to prevent contamination of the environment with this product, i.e. soil, landfills, drains, sewers, surface waters, etc

12.3 Bioaccumulative potential

No determination has been made on ecological impact. However, it is highly recommended to prevent contamination of the environment with this product, i.e. soil, landfills, drains, sewers, surface waters, etc.

12.4 mobility in soil

No determination has been made on ecological impact. However, it is highly recommended to prevent contamination of the environment with this product, e.i. soil, landfills, drains, sewers, surface waters, etc.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Water methods

If material becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 as supplied. Dispose of this material in accordance with all applicable federal, state, provincial, and local laws and regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Transport this product in accordance with all applicable laws and regulations. This product, as supplied, is not regulated nor classified as a hazardous material/dangerous good by United States Department of Transportation (DOT), the International Civil Aviation Organization (ICAO), the International Maritime Organization (IMO), the Canadian Transportation of Dangerous Goods Act (TDG), or the International Air Transport Association (IATA).

14.1 UN Number: Not Applicable

14.2 UN Proper Shipping Name: Not Applicable

14.3 Transport Hazard Class: Not Applicable **DOT (49 CFR)/IATA/IMDG Hazard Class:** Not Applicable

14.4 Packing Group: Not Applicable

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental regulations / legislation specific for the substance or mixture

This safety data sheet has been formatted to the best of our ability in accordance to Directive 67/548/EEC or Directive

1999/45EC, American National Standards Institute (ANSI) and contains hazard criteria and all information required by the Canadian Controlled Products Regulation (CPR) in regard to this product.

Clean Air Act - Ozone Depleting Substances (ODS): This product and its components do not contain Ozone Depleting Substances.

Canadian Inventory Status: Components of this product are currently listed on the Canadian Domestic Substance List (DSL) or the Canadian Non-Domestic Substance List (NDSL).

Coalition of Northeastern Governors (CONEG): This product meets the requirements of CONEG pertaining to heavy metals total content of no more than 100 PPM. No heavy metals are added as a part of the formulation, but raw materials may contain residual parts per million as naturally occurring elements.

European Inventory Status: Components of this product are listed on the European Inventory of Existing Commercial Substances (EINECS), the European List of Notified Chemical Substances (ELINCS), or are exempt from being listed.

Food and Drug Administration (FDA) Food Packaging Status: Components of this product have not been cleared by FDA for use in food packaging and/or other applications as an indirect food additive .

European Union Directive 2011/65/EC Restriction of Hazardous Substances (RoHS): This product is in compliance with the requirements of the RoHS Directive.

California Proposition 65 RTK:

The following components of this mixture are listed under California Proposition 65:

- None

If CAS numbers 13463-67-7 and / or 1333-86-4 are listed these are not supplied in respirable form.

Europe REACH : This product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or preregistered.

The following Substances of Very High Concern are present (updated June 16, 2014 to review for the 155 SVHC)

- None

- None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: **Section 302:**

- None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: **SARA 313:**

This product contains the following components that are regulated under the Toxic Chemical Release Reporting requirements 40 CFR 372:

- None

Global Inventories: The components of these products are listed in the following or exempt from listing:

Europe (EINECS): Yes
 USA (TSCA): Yes
 Canada (DSL): Yes
 Japan (ENCS): Yes
 Philippines (PICCS): Yes
 China (IECSC): Yes
 Australia (AICS): Yes
 Korea (KECI): Yes
 New Zealand (NZIoC): Yes
 Taiwan (ECSI): Yes

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

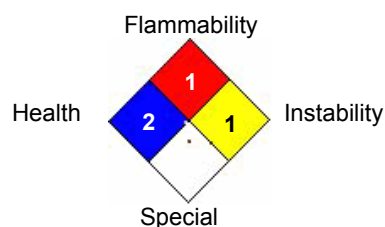
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



HMIS® ratings are a registered trade and service mark of the National Paint and Coatings Association with the following scale:

* = Chronic health effect PPE Index

4 = Severe Hazard A = Safety Glasses

3 = Serious Hazard B = Safety Glasses and Gloves

2 = Moderate Hazard C = Safety Glasses, Gloves and Protective Apron

1 = Slight Hazard D = Face Shield, Gloves and Protective Apron

0 = Minimal Hazard E = Safety Glasses, Gloves and Respirator

Definitions

TWA - Time Weighted Average

TLV - Threshold Limit Value

STEL - Short Term Exposure Limit

CAS# - Chemical Abstract Service Number

NTP - National Toxicology Program

PEL - Permissible Exposure Limit

IARC - International Agency for Research on Cancer

ANSI - American National Standards Institute

EU Risk/Safety Phrases

Xi: Irritant

Xn: Harmful

N: Dangerous for the environment

R20/21/22: Harmful by inhalation, in contact with skin or if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R40: Limited evidence of a carcinogenic effect.

R41: Risk of serious damage to the eyes

R43: May cause sensitization by skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment .

Supersedes:

Date Prepared: 4/29/2015

Reviewer Revision

Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however Nor-Cote makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Nor-Cote as to the effects of such uses nor does Nor-Cote assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.