

SAFETY DATA SHEETS

This SDS packet was issued with item:

076711568

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

076711048 076711501 076711519 076711527 076711535 076711543 076711550 076711576 076711592 076711600

076711618 076711626 076711634 076711642 076711808 076711816 076711824 273018883 273018884 273040011

Material Safety Data Sheet**U.S. Department of Labor**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved
OMB No. 1218-0072

Hazard Rating

4= Extreme
3= High
2= Moderate
1= Slight
0= Insignificant
** See Sect IV

Toxicity = 2
Fire = 3
Reactivity = 1

Personal Protection = B



IDENTITY (As Used on Label and List) TRU-FIT SILVER, TRU-FIT GOLD, TRU-FIT THINNER	DOT Hazard Class UN 1993 FLAMMABLE LIQUID, nos (contains Ethyl Methyl Ketone) ORM-D consumer commodity	Item Code: 03-xxxx, I, H
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Section I - Contact

Manufacturer's Name: George Taub Products & Fusion Co., Inc.	Emergency Telephone Number: Chemtrec: 800-424-9300, 703-527-3887
Address (Number, Street, City, State, and ZIP Code): 277 New York Ave Jersey City, N.J. 07307	Telephone Number for Information: 201-798-5353
	Date Prepared: 06/13/11
	Signature of Preparer (optional): Lawrence Taub

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)):	CAS REG. NO.:	OSHA PEL:	ACGIH TLV:	% (optional):
Methyl Ethyl Ketone (MEK)	78-93-3	200 ppm	200 ppm	> 65.0
Toluol (in Gold color)	108-88-3	200 ppm	100 ppm	< 4.0
Aluminum (in Silver color)	7429-90-5	10 mg/m3	10 mg/m3	> 5.0
Copper (in Gold color)	7440-50-8	1 mg/m3	1 mg/m3	> 8.0
Zinc (in Gold color)	7440-66-6	n/a	5 mg/m3	> 2.0
Non-Hazardous Components: Contents partially unknown resin copolymers-proprietary				

Section III - Physical/Chemical Characteristics

Boiling Point: 80C/176F initial	Melting Point: -86C/-123F initial	Evaporation Rate (Butyl Acetate = 1): > 1	Viscosity: 400 cps max
Vapor Pressure (mm Hg): 70 est. 20C/68F	Vapor Density (AIR = 1): > 1	Specific Gravity (H ₂ O = 1): 0.95	% Volatile (by weight): > 65% (Min)
Solubility in Water: Slightly, as dry film			
Appearance and Odor: Gold Color, Silver Color, Thinner- Water white. Viscous Liquid. Sweet/ sharp odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): -4C/25F SFCC	Auto Ignition Temp: 516C/961F	Flammable Limits:	LEL: 1.8 est	UEL: 11.5 est
Extinguishing Media: <input type="checkbox"/> Foam <input checked="" type="checkbox"/> "Alcohol" Foam <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> Water Spray <input type="checkbox"/> Other				
Special Fire Fighting Procedures: Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH-approved or equivalent) and full protective gear. Use water spray to cool containers. Do not use water on open flame. Dike fire area gently with fine, dry sand to extinguish fire. Do not use halogenated hydrocarbon extinguishing agents.				
Unusual Fire and Explosion Hazards: Vapors can travel to a source of ignition and flash back. Material can form explosive vapors with air. Avoid contact with water.				

Section V - Reactivity Data

Stability: <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: Avoid contact with water, mineral acids, chlorinated solvents.
Incompatibility (Materials to Avoid): Water, acids, alkalies, chlorinated solvents	
Hazardous Decomposition or Byproducts: Hydrogen Gas, CuO, ZnO	
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid: Strong oxidizers, alkalies, acids

Section VI - Health Hazard Data

Route(s) of Entry: ☒ Inhalation ☒ Skin ☒ Ingestion

Health Hazards (Acute and Chronic): May cause nervous system depression (fatigue, drowsiness, dizziness), headache, nausea, stupor, Burning, tearing, redness and swelling of eyes, drying and cracking of skin.

Carcinogenicity: ☐ NTP ☐ IARC Monographs ☐ OSHA Regulated Not Applicable

Signs and Symptoms of Exposure:

INHALATION/INGESTION: Solvent vapor or mist can cause headache, nausea, dizziness, incoordination, stupor, irritation of nose, throat, lungs. Irritation of digestive tract. Nervous system depression (fatigue, drowsiness, dizziness)

SKIN/EYES: Burning, tearing, redness and swelling of eyes, transient corneal injury, drying and cracking of skin.

Medical Conditions - Generally Aggravated by Exposure: Copper/Zinc alloy powder - pre-existing skin disorders, respiration, liver, kidney & Wilson's disease.

Emergency and First Aid Procedures: INHALATION: Move subject to fresh air. Give artificial respiration if breathing has stopped. See a physician. EYE/SKIN CONTACT: Flush eyes with large amount of water for at least 15 min. Wash affected skin with soap and water. Remove and clean contaminated clothing. See Physician if irritation persists. INGESTION: Seek medical attention. If victim is drowsy/unconscious, place on the left side with head down. Do not give anything by mouth. If victim is conscious/alert, give no more than 2 glasses of water and induce vomiting (30 cc or 2 tbsp syrup of ipecac or stick finger in person's throat). Reduce above by half for child. Keep victim's head below hips.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Personal Precautions: Appropriate protective equipment must be worn for handling spill, see Section 8. If exposed to material, see Section 6. Environmental Precautions: Warning - Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Waste Disposal Method: Spill Clean up: Eliminate all ignition sources. Evacuate personnel to safe areas. Ventilate the area. Floor may be slippery, use caution. Soak up with inert absorbent material (Paper towel, sand, silica gel, sawdust). Avoid breathing vapor. Wear MSHA/NIOSH approved respirator. Note: Spills on porous surfaces can contaminate ground water. NORMAL DISPOSAL: Waste Classification: Methyl Ethyl Ketone (78-93-3), 40 CFR 261.20-.24. For discard, this is classified as a hazardous waste with the characteristic of ignitability and toxicity. RCRA #D001. Reportable quantity is 100 lbs.(40 CFR 302) Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations. (See 40 CFR 268). For small quantity spills, allow solvent in paper towel to evaporate in well ventilated areas or outdoors (preferred). CONTAMINATED PACKAGING: Empty containers should be taken for local recycling or waste disposal.

Precautions to Be Taken in Handling and Storing:

Limit storage of flammable material to approved areas. Keep properly ventilated. Ground all containers when transferring material. Store bottles away from heat. Keep away from open flame of bunsen burner or furnace. Keep containers tightly sealed. Periodically clean neck of bottle of resinous build up (clean inside of cap) to maintain proper seal. Do not smoke when using. Avoid storing near acids, chlorinated solvents. Add thinner as needed, to keep proper thinness of material.

Other Precautions: Storage Temp: 60C/140F min. STEL: 125 ppm MEK. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Emptied containers contain residue. Follow all MSDS and labels. Keep away from spark.

Section VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise self-contained breathing apparatus (pressure-demand, MSHA/NIOSH - approved or equivalent.)

Ventilation: ☒ Local Exhaust ☐ Mechanical (General) ☐ Special ☐ Other

Use explosion proof local exhaust ventilation with min. capture velocity of 100 ft/min at point of vapor evolution.

Protective Gloves: Chemical-resistant only

Eye Protection: Chemical-resistant goggles

Other Protective Clothing or Equipment: Chemical-resistant apron or other impervious cloth

Work/Hygienic Practices: Eyewash, shower

Section IX - Toxicity Information

Data for MEK:

Rat - Oral LD50: 3.3 g/kg, Rabbit - Dermal LD50: >8 ml/kg

Rat - Inhalation LC50: >2000 ppm / 2hrs

Data for Toluol:

Rat - Oral LD50: >5 g/kg

Rabbit - Dermal LD50: >3.16 g/kg

Section X - Regulatory Information

This product is considered hazardous under OSHA Hazard Communication. Standard (29CFR 1910.1200). This product is a 'controlled product' under Canadian Workplace Hazardous Materials Information System (WHMIS). SARA TITLE III: Sect 313 (40CFR372) above deminimus concentrations (Methyl methacrylate ((80-62-6)), Methyl Ethyl Ketone (78-93-3), Toluol (108-88-3). CERCLA (40CFR302.4) regulated components: MMA (RQ 1000 lbs), MEK (RQ 5000 lbs)

Disclaimer: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, George Taub Products makes no warranty with respect thereto and disclaims all liability from reliance thereon.

Safety Data Sheet

Tru-Fit Gold

SDS Revision Date:

06/12/2015

1. Identification

1.1. Product identifier

Product Identity

Tru-Fit Gold

Alternate Names

Tru-Fit Gold

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

George Taub Products & Fusion Co., Inc.
277 New York Ave
Jersey City, NJ 07307

Emergency

CHEMTREC (USA)

(800) 424-9300

24 hour Emergency Telephone No.

201-798-5353

Customer Service: George Taub Products & Fusion Co., Inc.

Chemtrec: 800-424-9300, 703-527-3887

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Liq. 2;H225

Highly Flammable liquid and vapor.

Eye Irrit. 2;H319

Causes serious eye irritation.

Skin Sens. 1;H317

May cause an allergic skin reaction.

Repr. 2;H361D

Suspected of damaging the unborn child.

STOT SE 3;H336

May cause drowsiness or dizziness.

Aquatic Acute 1;H400

Very toxic to aquatic life.

Aquatic Chronic 2;H411

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



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Danger

H225 Highly flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.
H361d Suspected of damaging the unborn child.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

[Prevention]:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+313 IF exposed or concerned: Get medical advice / attention.
P321 Specific treatment (see information on this label).
P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363 Wash contaminated clothing before reuse.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
P391 Collect spillage.

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[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Butanone CAS Number: 0000078-93-3	50 - 75	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Copper CAS Number: 0007440-50-8	10 - 25	Not Classified	[1][2]
Zinc powder (stabilized) CAS Number: 0007440-66-6	1.0 - 10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Toluene CAS Number: 0000108-88-3	0.10 - 1.0	Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336	[1][2]
Methyl methacrylate CAS Number: 0000080-62-6	0.10 - 1.0	Flam. Liq. 2;H225 STOT SE 3;H335 Skin Irrit. 2;H315 Skin Sens. 1;H317	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of 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

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

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- Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

- Overview** INHALATION/INGESTION: Solvent vapor or mist can cause headache, nausea, dizziness, incoordination, stupor, irritation of nose, throat, lungs. Irritation of digestive tract. Nervous system depression (fatigue, drowsiness, dizziness)
- SKIN/EYES: Burning, tearing, redness and swelling of eyes, transient corneal injury, drying and cracking of skin.
- Medical Conditions - Generally Aggravated by Exposure: Copper/Zinc alloy powder - pre-existing skin disorders, respiration, liver, kidney & Wilson's disease.
- Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.
- Inhalation** May cause drowsiness or dizziness.
- Eyes** Causes serious eye irritation.
- Skin** May cause an allergic skin reaction.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Do not use: water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen Gas, CuO, ZnO

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust / fume / gas / mist / vapors / spray.

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5.3. Advice for fire-fighters

Special Fire Fighting Procedures: Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH-approved or equivalent) and full protective gear. Use water spray to cool containers. Do not use water on open flame. Dike fire area gently with fine, dry sand to extinguish fire. Do not use halogenated hydrocarbon extinguishing agents.

Unusual Fire and Explosion Hazards: Vapors can travel to a source of ignition and flash back. Material can form explosive vapors with air. Avoid contact with water.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Personal Precautions: Appropriate protective equipment must be worn for handling spill, see Section 8. If exposed to material, see Section 6.

Environmental Precautions: Warning - Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Waste Disposal Method:

Spill Clean up: Eliminate all ignition sources. Evacuate personnel to safe areas. Ventilate the area. Floor may be slippery, use caution. Soak up with inert absorbent material (Paper towel, sand, silica gel, sawdust). Avoid breathing vapor. Wear MSHA/NIOSH approved respirator. Note: Spills on porous surfaces can contaminate ground water.

NORMAL DISPOSAL:

Waste Classification: Methyl Ethyl Ketone (78-93-3), 40 CFR 261.20-.24. For discard, this is classified as a hazardous waste with the characteristic of ignitability and toxicity. RCRA #D001. Reportable quantity is 100 lbs.(40 CFR 302) Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations. (See 40 CFR 268). For small quantity spills, allow solvent in paper towel to evaporate in well ventilated areas or outdoors (preferred).

CONTAMINATED PACKAGING: Empty containers should be taken for local recycling or waste disposal.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Water, acids, alkalis, chlorinated solvents

Precautions to Be Taken in Handling and Storing: Limit storage of flammable material to approved areas. Keep properly ventilated. Ground all containers when transferring material. Store bottles away from heat. Keep away from open flame of bunsen burner or furnace. Keep containers tightly sealed. Periodically clean neck of bottle of resinous

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build up (clean inside of cap) to maintain proper seal. Do not smoke when using. Avoid storing near acids, chlorinated solvents. Add thinner as needed, to keep proper thinness of material.

Other Precautions: Storage Temp: 60C/140F min. STEL: 125 ppm MEK. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Emptied containers contain residue. Follow all MSDS and labels. Keep away from spark.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000078-93-3	Butanone	OSHA	TWA 200 ppm (590 mg/m3)
		ACGIH	TWA: 50 ppm STEL: 100 ppm
		NIOSH	TWA 200 ppm (590 mg/m3) ST 300 ppm (885 mg/m3)
		Supplier	No Established Limit
0000080-62-6	Methyl methacrylate	OSHA	TWA 100 ppm (410 mg/m3)
		ACGIH	TWA: 50 ppm STEL: 100 ppm S
		NIOSH	TWA 100 ppm (410 mg/m3)
		Supplier	No Established Limit
0000108-88-3	Toluene	OSHA	TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)STEL 150 ppm
		ACGIH	TWA: 20 ppmR
		NIOSH	TWA 100 ppm (375 mg/m3) ST 150 ppm (560 mg/m3)
		Supplier	No Established Limit
0007440-50-8	Copper	OSHA	TWA 1 mg/m3 [*Note: The PEL also applies to other copper compounds (as Cu) except copper fume.]
		ACGIH	TWA: 0.2 mg/m3 (fume) 1 mg/m3 (dusts and mists)
		NIOSH	TWA 1 mg/m3 [*Note: The REL also applies to other copper compounds (as Cu) except Copper fume.]
		Supplier	No Established Limit
0007440-66-6	Zinc powder (stabilized)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

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CAS No.	Ingredient	Source	Value
0000078-93-3	Butanone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000080-62-6	Methyl methacrylate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0000108-88-3	Toluene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0007440-50-8	Copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007440-66-6	Zinc powder (stabilized)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Chemical-resistant goggles

Skin

Use chemical-resistant apron or other impervious clothing, and rubber boots if necessary, to avoid contaminating regular clothing and shoes and to prevent skin contact. Chemical resistant gloves.

Engineering Controls

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 any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance

Gold Liquid

Odor

sweet/sharp odor

Odor threshold

Not determined

pH

Not Measured

Melting point / freezing point

-86/-123 F initial

Initial boiling point and boiling range

80 C/176 F initial

Flash Point

-4 C/25 F (SFCC)

Evaporation rate (Ether = 1)

> 1 (Butyl Acetate = 1)

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Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.8 est Upper Explosive Limit: 11.5 est
Vapor pressure (Pa)	70 mmHg est. 20 C/68 F
Vapor Density	> 1
Specific Gravity	0.95 (H ₂ O = 1)
Solubility in Water	Slight
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	516 C/961 F
Decomposition temperature	Not Measured
Viscosity (cSt)	400 cPs max
% Volatile	> 65%

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid contact with water, mineral acids, chlorinated solvents

10.5. Incompatible materials

Water, acids, alkalis, chlorinated solvents

10.6. Hazardous decomposition products

Hydrogen Gas, CuO, ZnO

11. Toxicological information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

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Copper dust and mists: Can cause irritation of eyes, mucous membranes, skin and respiratory tract.
Chronic overexposures: Can cause reduction in the number of red blood cells (anemia), skin abnormalities (pigmentation changes) and hair discoloration.
Copper fume: Can cause irritation of eyes, mucous membranes and respiratory tract.
Acute overexposures: Can cause nausea, fever, chills, shortness of breath and malaise (metal fume fever).
Wilson's disease may be affected by copper exposure.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Butanone - (78-93-3)	2,737.00, Rat - Category: 5	6,480.00, Rabbit - Category: NA	32.00, Mouse - Category: NA	No data available	No data available
Copper - (7440-50-8)	2,500.00, Rat - Category: 5	>2,000.00, Rat - Category: 5	No data available	5.11, Rat - Category: NA	No data available
Zinc powder (stabilized) - (7440-66-6)	No data available	No data available	No data available	No data available	No data available
Toluene - (108-88-3)	636.00, Rat - Category: 4	8,400.00, Rabbit - Category: NA	No data available	No data available	No data available
Methyl methacrylate - (80-62-6)	5,000.00, Rat - Category: 5	5,000.00, Rabbit - Category: 5	29.80, Rat - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	2	Suspected of damaging the unborn child.
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

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12. Ecological information

12.1. Toxicity

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Butanone - (78-93-3)	400.00, Cyprinodon variegatus	520.00, Daphnia magna	500.00 (96 hr), Skeletonema costatum
Copper - (7440-50-8)	0.0103, Pimephales promelas	0.0025, Daphnia magna	0.018 (72 hr), Pseudokirchneriella subcapitata
Zinc powder (stabilized) - (7440-66-6)	0.182, Oncorhynchus tshawytscha	0.068, Daphnia magna	0.106 (72 hr), Pseudokirchneriella subcapitata
Toluene - (108-88-3)	5.80, Oncorhynchus mykiss	19.60, Daphnia magna	Not Available
Methyl methacrylate - (80-62-6)	79.00, Oncorhynchus mykiss	69.00, Daphnia magna	170.00 (96 hr), Selenastrum capricornutum

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

DOT (Domestic Surface
Transportation)

IMO / IMDG (Ocean
Transportation)

ICAO/IATA

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14.1. UN number	UN1993	UN1993	UN1993
14.2. UN proper shipping name	Flammable liquids, n.o.s., (Ethyl Methyl Ketone)	Flammable liquids, n.o.s., (Ethyl Methyl Ketone)	Flammable liquids, n.o.s., (Ethyl Methyl Ketone)
14.3. Transport hazard class(es)	DOT Hazard Class: 3	IMDG: 3 Sub Class: Not Applicable	Air Class: 3
14.4. Packing group	II	II	II
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes (Zinc powder (stabilized))		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.		
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.		
WHMIS Classification	B2 D2A		
US EPA Tier II Hazards	Fire: Yes Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No		

EPCRA 311/312 Chemicals and RQs (lbs):

Butanone (5,000.00)
Copper (5,000.00)
Zinc powder (stabilized) (1,000.00)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Copper
Zinc powder (stabilized)

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

Toluene

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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New Jersey RTK Substances (>1%):

Butanone
Copper
Zinc powder (stabilized)

Pennsylvania RTK Substances (>1%):

Butanone
Copper
Zinc powder (stabilized)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness and dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document