

1. PRODUCT IDENTIFICATION

PRODUCT NAME: 6600

PRODUCT COLOR: Black, Black 37038
Blue, Reflex Blue

Gold
Gray
Silver
Violet
White

RECOMMENDED USE: Screen Printing, Rubber Stamp Marking.

Manufacturer/Supplier:

Hitt Marking Devices
3231 W. MacArthur Blvd.
Santa Ana, CA 92704
Ph. 714-979-1405
USA

Emergency Telephone Number:

TRANSPORTATION: CHEMTREC : 1-800-424-9300 (North America)
1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION**Emergency Overview:****GHS Classification:**

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3

GHS label elements, including precautionary statements

Pictogram

Signal Word **Warning**

Hazard Statements

H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H351	Suspected of causing cancer

SAFETY DATA SHEET

Revision Date: 6/25/2015

SDS# 6600-01

Precautionary Statements

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P330	Rinse mouth
P337+P313	If eye irritation persists: Get medical advice/attention
P403+233	Store in a well-ventilated place. Keep container tightly closed
P501	Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
2-(2-Butoxyethoxy)ethanol	112-34-5	5-15
Isophorone	78-59-1	2-10

4. FIRST AID MEASURES

First Aid Measures

Ingestion:	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin:	Wash off with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Most important symptoms and effects

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. FIREFIGHTING MEASURES**Suitable extinguishing media:**

Water fog, Multipurpose foam, Dry chemical, CO₂

Specific hazards in case of fire:

Fight as volatile liquid fire

Hazardous combustion products:

Carbon oxides, Nitrogen oxides, organic combustion products which may be toxic and/or irritating

Protective equipment and precautions for fire fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Wear chemical goggles, gloves, boots and protective clothing. Wear respirator if necessary. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition and heat.

Environmental precaution:

Prevent additional discharge of material. Prevent material from entering sewers or water courses.

Methods and materials for containment and cleaning up:

Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material, then place in a chemical waste container. For large spills, contain with sand or earth dikes. Dispose of waste in accordance with applicable government regulations.

7. HANDLING AND STORAGE**Precautions for safe handling:**

Avoid contact with eyes. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released. Keep away from heat/sparks/open flames/hot surfaces. Emptied containers may retain residues. Precautions apply to emptied containers.

Conditions for safe storage, including incompatibilities:

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep storage temperature between 4-32 °C (40-90 °F). Incompatible with strong oxidizing agents, strong acids, strong bases, alkali metals and halogens.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name and CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-(2-butoxyethoxy)ethanol 112-34-5	None	None	None
Isophorone 78-59-1	CEILING:5 ppm ppm	TWA: 25 ppm TWA: 140 mg/m ³	IDLH: 200 ppm TWA: 4 ppm TWA: 140 mg/m ³

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. Local exhaust and mechanical ventilations are recommended to be used as engineering controls.

Individual protection measures, such as personal protective equipment:

Eye/Face protection: Safety glasses with side shields or chemical goggles must be worn.

Skin/Body protection: Wear protective gloves. Wear suitable protective clothing and footwear appropriate for the risk of exposure.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General hygiene: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Values	Remarks-Methods
Physical state: liquid		
Odor:	Low	
Odor threshold:	Not determined	
pH:	Not determined	
Melting point/freezing point:	Not determined	
Boiling point/Boiling range:	Not determined	
Flash point:	>93.3 °C / >200 °F	Tag Closed Cup
Evaporation Rate:	<1 butyl acetate = 1	
Flammability (solid, gas):	Not determined	
Upper/lower flammability limits:	Not determined	
Vapor pressure:	Not determined	
Vapor density:		
Specific gravity:		
Water solubility:	Not soluble	
Solubility in other solvents:	Not determined	
Partition Coefficient:	Not determined	
Auto-ignition Temperature:	Not determined	
Decomposition temperature:	Not determined	
Viscosity:	Not determined	
VOC Content (%):	30%	
VOC Content:	3.5 lbs/gal	

10. STABILITY AND REACTIVITY

Reactivity:

Keep away from heat above 150°F. Irreversible polymerization will cause heat buildup

Chemical Stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

None under normal processing.

Conditions to avoid:

Keep out of reach of children. Keep away from heat, sparks and open flame. Keep away from contact with incompatible materials.

Incompatible materials:

Strong oxidizing agents, strong acids, strong bases, alkali metals, halogens

Hazardous decomposition products:

Carbon oxides, nitrogen oxides, thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Eye contact:	Causes serious eye damage
Skin contact:	May cause skin irritation. Harmful if absorbed through skin
Inhalation:	May cause respiratory irritation.
Ingestion:	Harmful if swallowed

Component Information:

Chemical Name and CAS#	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-butoxyethoxy)ethanol 112-34-5	=5660 mg/kg (Rat)	=2700 mg/kg (Rabbit)	No Data Available
Isophorone 78-59-1	= 1,870 mg/kg (Rat)	= 1,382 mg/kg (Rabbit)	= 4,600 mg/m ³ (Guinea Pig) 8 h

Information on physical, chemical and toxicological effects:**Symptoms** Please see section 4 of this SDS for symptoms**Delayed and immediate effects as well as chronic effects from short and long-term exposure:****Carcinogenicity:**

Chemical Name	ACGIH	IARC	NTP	OSHA
Isophorone	A3	No	No	No

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)**

A1 – Confirmed human carcinogen

A2 – Suspected human carcinogen

A3 – Confirmed animal carcinogen with unknown relevance to humans

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B – Limited evidence of carcinogenicity

Group 3 IARC components are "not classifiable as human carcinogens"

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity:

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity:**Component Information**

Chemical Name and CAS#	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-(2-butoxyethoxy)ethanol 112-34-5	LC50 – Desmodemus suspiciatus - >100 mg/l – 24hrs	LC50 – Lepomismacrochirus – 1300 mg/l – 96h	LC50 – Pseudomonas putida – 1170 mg/l – 16hr	EC50 – Daphnia magna - >100 mg/l – 48hr
Isophorone 78-59-1		LC50 – Pimephales promelas – 145 mg/L – 96h		EC50 – Daphnia magna – 120 mg/L – 48h

Persistence/Degradability:

Not determined

Bioaccumulation:

Not determined

Mobility:

Not determined

Other Adverse Effects:

No data available

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes:

laws and regulations

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

Contaminated Packaging:

and local laws and regulations

Dispose of as unused product in accordance with applicable regional, national

SECTION 14 – TRANSPORTATION INFORMATION
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DOT

UN number None
Proper shipping name Not Regulated
Hazard class None
Packing group None
ERG# 129

IATA

UN number None
Proper shipping name Not Regulated
Hazard class None
Packing group None

IMDG

UN number None
Proper shipping name Not Regulated
Hazard class None
Packing group None
Marine pollutant No

SECTION 15 – REGULATORY INFORMATION
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TSCA STATUS: All Components listed

OTHER REGULATORY:

<u>Ingredient(s)</u>	<u>SARA 302</u>	<u>SARA 311/312</u>	<u>SARA 313</u>	<u>RECRA</u>	<u>CERCLA</u>
2-(2-butoxyethoxy)ethanol	No	A, C	Yes	No	No
Isophorone	No	F, A	No	No	Yes

SARA 311/312 Codes: R = Reactive Hazard
 P = Pressure Hazard
 F = Fire Hazard
 A = Immediate/Acute
 C = Delayed/Chronic

California Prop. 65 Components: Chemicals known to the state of California to cause birth defects or other reproductive harm:

This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16 – OTHER INFORMATION

HMIS:

Health: 2
 Chronic Health Hazard *
 Flammability: 1
 Reactivity: 1

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SAFETY DATA SHEET

Revision Date: 6/25/2015

Replaces: 08-Jan-2009
Revision Note: New SDS format

Prepared by: Ken Hitt

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