SAFETY DATA SHEET

SDS# 6600-01 Revision Date: 4/4/2019

1. PRODUCT IDENTIFICATION

PRODUCT NAME: 6600

PRODUCT COLOR: Black, Black 37038
Blue, Reflex Blue
NL Brown 30117, Gold
Gray, NL Red, NL Red 31136
NL Red 77702, NL Orange, Silver
Clear, NL Yellow, Violet
White

RECOMMENDED USE: Coding and Marking

Manufacturer/Supplier:
American Coding & Marking Ink Co., Inc.

Emergency Telephone Number:

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

2. HAZARDS IDENTIFICATION

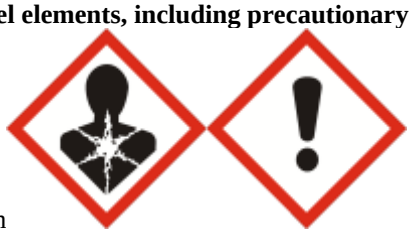
Emergency Overview:

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

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, CO_2

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, them 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 of 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: 4 ppm TWA: 23 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:	>1	air = 1
Specific gravity:	1.4	water = 1
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	=2,410 mg/kg (Mouse)	= 2,764 mg/kg (Rabbit)	> 2.1 mg/L (Rat) 4h
Isophorone 78-59-1	= 1,500 mg/kg (Rat)	= 1,200 mg/kg (Rabbit)	= 7 mg/L (Rat) 4 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 2A – Probably Carcinogenic to Humans
Group 2B – Limited evidence of carcinogenicity
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 – Desmodesmus suspicatus - >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	EbC50 – Desmosesmus suspicatus – 475 mg/L – 72h	LC50 – Pimephales promelas – 228 mg/L – 96h	EC50 – Pseudomonas putida – 100 mg/L – 3h	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: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Dispose of as unused product in accordance with applicable regional, national and local laws and regulations.

.

SECTION 14 – TRANSPORTATION INFORMATION

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

TSCA STATUS: All Components listed

OTHER REGULATORY:

Ingredient(s)	SARA 302	SARA 311/312	SARA 313	RECRA	CERCLA
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 cancer:

Formaldehyde CAS 50-00-0

SECTION 16 – OTHER INFORMATION

HMIS:

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

Revision Date: 4-April-2019
Replaces: 20-Sept-2018
Revision Note: Added color to section 1

Prepared by: Thomas Sweet Jr, Pres

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of the material described in this MSDS. Information contained herein is given in good faith and believed to be true and accurate, but all statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material, or results to be obtained from the use thereof. All of the listed ingredients in this product that are considered to present a health hazard as defined in Appendix A of the OSHA “Hazard Communication” standard (29CFR 1910.1200) as listed in Section II. All of the information given, including ingredient identification, CAS Number, and quantity, is proprietary information, which has been provided in order to meet the objective of the “Hazard Communication” standard. Data provided here are typical and not intended for use as product specifications. This formulation information is confidential, and only to be disclosed in accordance with Federal and State safety and health regulations. Permission to disclose any ingredient information for any other purpose is neither given nor implied.