

013034 MORENCY ORANGE ENAMEL

SECTION 1. IDENTIFICATION

Product Identifier	013034 MORENCY ORANGE ENAMEL
Other Means of Identification	Paint
Product Family	01-LINE
Recommended Use	Industrial use only.
Restrictions on Use	Not applicable.
Manufacturer/Supplier Identifier	Allcolour Paint Limited, 1257 Speers Road, Oakville, Ontario, L6L 2X5, (905) 827-4173
Emergency Phone No.	CANUTEC (24 Hours), (613) 996-6666 Allcolour Paint Limited, (905) 827-4173
SDS No.	0369

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 5; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2; Skin sensitization - Category 1B; Germ cell mutagenicity - Category 2; Carcinogenicity - Category 1; Reproductive toxicity - Category 1B; Reproductive toxicity - Effects on or via lactation; Specific target organ toxicity (single exposure) - Category 2; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2

Label Elements



Danger

Flammable liquid and vapour.

May be harmful if swallowed, in contact with skin or if inhaled.

Causes skin and eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Suspected of causing genetic defects.

May cause cancer.

May damage fertility or the unborn child.

May cause harm to breast-fed children.

Avoid contact during pregnancy and while nursing.

May cause damage to organs through prolonged or repeated exposure.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

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Ground and bond container and receiving equipment.
 Take precautionary measures against static discharge.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash hands and skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 Get medical advice or attention if you feel unwell.
 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Stoddard Solvent	8052-41-3	25-35	Mineral Spirits
MOLYBDATE ORANGE	12656-85-8	6-8	
C.I. PIGMENT YELLOW 34	1344-37-2	3-4	
Xylene (mixed isomers)	1330-20-7	0.5-1.5	
Titanium dioxide	13463-67-7	0.3-0.6	TiO2
Light aromatic solvent naphtha	64742-95-6	0.1-0.3	HFAN
COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	<1.0	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of contamination or move victim to fresh air. If breathing has stopped, properly trained personnel should begin artificial respiration or cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately.

Skin Contact

Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with water and non-abrasive soap for 20 minutes or until chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If irritation persists, repeat flushing. Obtain medical advice immediately. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

Eye Contact

Quickly and gently blot or brush away chemical. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 5 minutes, or until the chemical is removed, while holding the eyelid(s) open. Obtain medical advice immediately.

Ingestion

NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim rinse mouth with water again. Immediately obtain medical attention.

First-aid Comments

If exposed or concerned, get medical advice or attention.

Most Important Symptoms and Effects, Acute and Delayed

Central nervous system depressant. Vapour may cause headache, nausea, dizziness, drowsiness, unconsciousness and death. Causes skin irritation. Aspiration hazard. Swallowing or vomiting of the liquid may result in aspiration into the lungs.

Immediate Medical Attention and Special Treatment

Target Organs

Auditory (hearing) system, eyes, kidneys, liver, lungs, nervous system, respiratory system, skin.

Special Instructions

Provide general supportive measures (comfort, warmth, rest). Consult a physician and/or the nearest Poison Control Centre for all exposures except minor instances of inhalation or skin contact.

All first aid procedures should be periodically reviewed by a doctor familiar with the material and its conditions of use in the workplace.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, alcohol foam, polymer foam, water spray or fog.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Product

Flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. Can be ignited by static discharge. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire and/or health hazard. May travel a considerable distance to a source of ignition and flash back to a leak or open container.

In a fire, the following hazardous materials may be generated: irritating chemicals; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Wear positive pressure self-contained breathing apparatus. (SCBA) Structural firefighters' protective clothing will only provide limited protection.

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use nonsparking tools and explosion proof equipment. Restrict access to area. Ensure clean-up is conducted by trained personnel only. Wear adequate personal protective equipment. Remove all ignition sources. Ventilate area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Do not touch spilled material. Prevent material from entering sewers, waterways or confined spaces. Stop or reduce leak if safe to do so.

Small spills: Contain spill with earth, sand, or absorbent material which does not react with spilled material. Do not use combustible material such as sawdust. Shovel into clean, dry, labelled containers and cover. Keep containers closed. Flush area with water.

Contaminated absorbent material may pose the same hazards as the spilled product.

Large spills: Contact fire and emergency services.

Other Information

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Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid generation of excessive dust and dust inhalation during sanding and spraying operations.

Use good housekeeping practices to avoid accidental ingestion. Keep away from food and feed products. Wash thoroughly after handling, and before eating or smoking

Avoid skin contact. Protect your eyes. Avoid all ignition sources. Post NO SMOKING signs. Liquid can accumulate charge. Increase conductivity with additive designed for that purpose, reduce flowrate in transfer operations, increase time the liquid remains in transfer piping and/or handle at lower temperature. Electrically ground all drums, transfer vessels, hoses and piping. Ground clips must contact bare metal. When dispensing in other than a closed system, ensure dispensing container is bonded to receiving transfer equipment and container. Never perform any welding, cutting, soldering, drilling or other hot work on an empty vessel, container or piping until all liquid and vapours have been cleared. It is good practice to keep all areas where this material is handled clear of other materials which can burn.

Conditions for Safe Storage

Contaminated rags may catch fire spontaneously. Store under water in a closed container before cleaning.

Remove from sources of ignition.

Do not reuse empty containers. Recondition or dispose of in the proper manner.

Use with adequate ventilation. Storage area should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store in a cool, dry, well-ventilated area, away from incompatible materials such as strong oxidizing agents (e.g. peroxides). Store away from all heat and ignition sources. Have appropriate extinguishing capability in storage area (e.g. sprinkler system, fire extinguishers). Inspect all incoming containers before storing to ensure they are undamaged and properly labelled. Store in sturdy containers made of compatible materials. Keep containers tightly closed and protect from damage. Avoid stacking containers on each other.

Keep empty containers in separate area. Empty containers can be hazardous due to residual material. Keep closed. Provide raised sills or ramps at doorways or create a trench which drains to a safe location. Keep absorbents for leaks and spills readily available. It is good practice to store combustible liquids away from process and production areas, away from elevators, building and room exits or main aisles leading to exits.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Stoddard Solvent	100 ppm Skin		500 ppm			
C.I. PIGMENT YELLOW 34					0.012 mg/m3 A2	
Xylene (mixed isomers)	100 ppm A4					
MOLYBDATE ORANGE	0.5 mg/m3 A2		5 mg/m3			
Titanium dioxide	10 mg/m3 A4		15 mg/m3			

Appropriate Engineering Controls

Use adequate ventilation (general or local) to maintain the ambient concentration below the occupational exposure limit.

Local exhaust is recommended. The following medical procedures should be made available to each employee who is exposed to compounds at potentially hazardous levels: Initial medical screening. Employees should be screened for history of certain medical conditions; kidney disease; chronic respiratory disease; liver disease; which might place the employee at increased risk from exposure. Periodic medical exam: Any employee developing the above listed conditions should be referred for further medical examination. The following medical procedures should be made available to each employee who is exposed to molybdenum and insoluble molybdenum compounds at potentially hazardous levels: Initial medical screening: Employees should be screened for history of certain medical conditions /kidney disease; chronic respiratory disease; liver disease/ which might place the employee at increased risk from molybdenum and insoluble molybdenum compounds exposure. Periodic medical exam: Any employee developing

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the above listed conditions should be referred for further medical examination. /Molybdenum and insoluble molybdenum compounds.

Individual Protection Measures

Eye/Face Protection

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.

Skin Protection

Nitrile, neoprene or rubber gloves and long sleeves should be worn to prevent skin contact. Safety shower and eye bath should be available.

Respiratory Protection

A NIOSH approved organic vapour respirator with dust and mist prefilter may be required in the absence of adequate environmental controls, (when TLV exceeded). If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Cloudy orange viscous liquid.
Odour	Aromatic (Stoddard Solvent)
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 35 °C (95 °F)
Flash Point	~ 24 °C (75 °F) (closed cup)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	> 0.9% (estimated) (Stoddard Solvent) (upper); > 6% (estimated) (Stoddard Solvent) (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 0.98
Solubility	Practically insoluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

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Incompatible Materials

Incompatible with Molybdenum, insoluble compounds.
Not corrosive to metals.

Hazardous Decomposition Products

During a fire, irritating and/or toxic substances, such as carbon monoxide, carbon dioxide and reactive hydrocarbons may be generated depending on fire conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Stoddard Solvent	> 5500 mg/m ³ (rat) (4-hour exposure) (vapour)	> 5000 mg/kg (rat) (vapour)	> 3000 mg/kg (rabbit) (vapour)
C.I. PIGMENT YELLOW 34		> 10000 mg/kg (rat)	
Xylene (mixed isomers)	4550 ppm (male rat) (4-hour exposure) (vapour)	3523 mg/kg (male rat)	
MOLYBDATE ORANGE		> 10000 mg/kg (rat)	
Titanium dioxide	> 6820 mg/m ³ (rat) (4-hour exposure) (dust)	> 25000 mg/kg (rat) (dust)	
Light aromatic solvent naphtha	> 14.4 mg/L (rat) (vapour)	> 5000 mg/kg (rat) (vapour)	> 3160 mg/kg (rabbit) (vapour)
COBALT BIS(2-ETHYLHEXANOATE)	> 10000 mg/m ³ (rat) (1-hour exposure)	~ 3129 mg/kg (female rat)	> 2000 mg/kg (rat)

Skin Corrosion/Irritation

Animal tests show moderate or severe irritation.

Serious Eye Damage/Irritation

Animal tests show serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause depression of the central nervous system.

Skin Absorption

At high concentrations depression of the central nervous system.

Ingestion

Toxic, can cause death based on human experience and animal tests.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause harmful effects on the kidneys, harmful effects on the liver, irritation of the respiratory system. May cause respiratory tract injury.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Can cause an allergic reaction (skin sensitization) based on animal tests. (COBALT BIS(2-ETHYLHEXANOATE))

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
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Stoddard Solvent	Group 3	Not designated	Not Listed	
C.I. PIGMENT YELLOW 34	Group 1	A2		
Xylene (mixed isomers)	Group 3	A4		
MOLYBDATE ORANGE	Group 1	A2		
Titanium dioxide	Group 2B	A4	Not Listed	
Light aromatic solvent naphtha	Group 3	Not Listed	Not Listed	
COBALT BIS(2-ETHYLHEXANOATE)	Group 2B			

May cause cancer based on studies in people and animals. IARC: Group 1 – Carcinogenic to humans. ACGIH®: A2 – Suspected human carcinogen. (MOLYBDATE ORANGE)

Key to Abbreviations

IARC = International Agency for Research on Cancer. ACGIH® = American Conference of Governmental Industrial Hygienists.

Reproductive Toxicity

Development of Offspring

Xylene is considered fetotoxic in humans, based on observations of reduced fetal weight, delayed ossification and persistent behavioural effects in animal studies in the absence of maternal toxicity. Other developmental effects have been observed in animal studies in the presence of maternal toxicity.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

Studies in animals show effects on or via lactation.

Germ Cell Mutagenicity

If swallowed: may be mutagenic based on limited evidence.

Interactive Effects

Exposure to this chemical and loud noise may cause greater hearing loss than expected from noise exposure alone.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

If released into the environment, this product is expected to move slowly through the soil, based on physical and chemical properties.

Other Adverse Effects

This product contains volatile organic compounds.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group

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Canadian TDG	1263	PAINT	3	III
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Environmental Hazards Potential Marine Pollutant

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response Guide No. 128

Proof of Dangerous Goods Classification

Date of Classification April 05, 2018
Technical Name PAINT
Classification UN 1263, PAINT, CLASS 3, PG III
Classification Method Lab Formulation Report

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 3 Flammability - 3 Instability - 0

SDS Prepared By Allcolour Paint Limited

Phone No. 19058274173

Date of Preparation April 05, 2018

Date of Last Revision April 05, 2018

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
 AIHA® = AIHA® Guideline Foundation HSDB® = Hazardous Substances Data Bank
 IARC = International Agency for Research on Cancer
 NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health
 NTP = National Toxicology Program
 OSHA = US Occupational Safety and Health Administration
 RTECS® = Registry of Toxic Effects of Chemical Substances

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer This SDS was prepared using information provided by CCOHS Canwrite Software. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Allcolour Paint Limited.

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