

554002 ALUMINIUM / ALUMINUM

SECTION 1. IDENTIFICATION

Product Identifier	554002 ALUMINIUM / ALUMINUM
Other Means of Identification	Paint
Product Family	55-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.	1894

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 1; Carcinogenicity - Category 2; 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; Aspiration hazard - Category 2

Label Elements



Danger

Flammable liquid and vapour.

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

May be harmful if swallowed and enters airways.

May cause an allergic skin reaction.

Causes skin and eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Suspected of causing cancer.

May damage the unborn child.

May cause harm to breast-fed children.

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, sparks, open flames, and hot surfaces. – No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.
 Use explosion-proof electrical, ventilating, and lighting equipment.
 Take precautionary measures against static discharge.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Avoid contact during pregnancy and while nursing.
 Wash hands thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF SWALLOWED: Immediately call a POISON CENTRE/doctor/
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Stoddard Solvent	8052-41-3	10-30	Mineral Spirits	
Solvent naphtha (petroleum), medium aliph.	64742-88-7	7-13		
Barium metaborate	13701-59-2	1-5		
Propylene glycol monomethyl ether acetate	108-65-6	1-5		
Aluminum powder, uncoated	7429-90-5	1-5		
Silica 2482, hydrophobic	7631-86-9	1-5		
Diethylene glycol monobutyl ether	112-34-5	0.5-1.5		
Solvent naphtha	64742-94-5	0.5-1.5		
Xylene (mixed isomers)	1330-20-7	0.1-1		
COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	0.1-1		
Methyl ethyl ketoxime	96-29-7	0.1-1		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If the heart has stopped, trained personnel should start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Rinse with lukewarm, gently flowing water for 5 minutes.

Eye Contact

Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

First-aid Comments

If exposed or concerned, get medical advice or attention.

Most Important Symptoms and Effects, Acute and Delayed

Can irritate the nose and throat. Can cause lung injury. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Aspiration hazard. Can harm the nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, kidneys, liver, nervous system, respiratory system, skin.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Eliminate all ignition sources if safe to do so. Distant ignition and flashback are possible.

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

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated

Product Identifier: 554002 ALUMINIUM / ALUMINUM - Ver. 1

SDS No.: 1894

Date of Preparation: January 29, 2019

Date of Last Revision: January 29, 2019

Page 03 of 09

absorbent poses the same hazard as the spilled product. Large spills or leaks: dike spilled product to prevent runoff. Knock down vapour with fog or fine water spray. Remove or recover liquid using pumps or vacuum equipment. Dike and recover contaminated water for appropriate disposal.

Other Information

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

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

If used in a confined space: obtain special instructions before use. Avoid breathing in this product. Avoid repeated or prolonged skin contact. Do not get in eyes. Avoid exposure during pregnancy and while nursing.

Conditions for Safe Storage

Store in an area that is: cool, dry, ventilated, out of direct sunlight and away from heat and ignition sources. Comply with all applicable health and safety regulations, fire and building codes.

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			
Xylene (mixed isomers)	100 ppm A4					
Solvent naphtha (petroleum), medium aliph.			500 ppm			
Barium metaborate	0.5 mg/m3 A4					
Propylene glycol monomethyl ether acetate					50 ppm	
Diethylene glycol monobutyl ether	10 ppm					
Methyl ethyl ketoxime					10 ppm	
Aluminum powder, uncoated	1 mg/m3 A4		15 mg/m3			
Solvent naphtha			500 ppm			
Silica 2482, hydrophobic	10 mg/m3					

Appropriate Engineering Controls

General ventilation is usually adequate. For large scale use of this product: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots. In case of an emergency (e.g. an uncontrolled release): wear a chemical splash suit and respiratory protection.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Cloudy grey volatile liquid.

Odour Gasoline-like

Product Identifier: 554002 ALUMINIUM / ALUMINUM - Ver. 1

SDS No.: 1894

Date of Preparation: January 29, 2019

Date of Last Revision: January 29, 2019

Page 04 of 09

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	~ 39 °C (102 °F) (closed cup)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	> 6% (estimated) (upper); > 0.9% (estimated) (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 0.99
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.

Incompatible Materials

NITRIC ACID - may detonate immediately on contact with concentrated nitric acid.

STRONG OXIDIZING AGENTS (e.g. liquid oxygen, chlorates, chromic acid, perchlorates, peroxides or permanganates) - may react violently. Increased risk of fire and explosion.

1,3-DICHLORO-5,5-DIMETHYL-2,4-IMIDAZOLIDINDIONE (DICHLOROHYDRANTOIN) - reaction can be explosive. Not corrosive to metals.

Hazardous Decomposition Products

Flammable chemicals; irritating chemicals; toxic chemicals; very toxic carbon monoxide, carbon dioxide.

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)
Xylene (mixed isomers)	4550 ppm (male rat) (4-hour exposure) (vapour)	3523 mg/kg (male rat)	
COBALT BIS(2-ETHYLHEXANOATE)	> 10000 mg/m ³ (rat) (1-hour exposure)	~ 3129 mg/kg (female rat)	> 2000 mg/kg (rat)
Solvent naphtha (petroleum), medium aliph.		> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Barium metaborate	> 3.54 mg/L (rat) (4-hour exposure) (dust)	~ 640 mg/kg (rat)	> 2000 mg/kg (rat)
Propylene glycol monomethyl ether acetate	> 5320 ppm (rat) (4-hour exposure) (vapour)	~ 8532 mg/kg (female rat) (vapour)	> 5000 mg/kg (rabbit) (vapour)
Diethylene glycol monobutyl ether		~ 6560 mg/kg (rat) (vapour)	~ 2764 mg/kg (rabbit) (vapour)
Methyl ethyl ketoxime	~ 1110-1125 ppm (rat) (4-hour exposure) (vapour)	~ 930 mg/kg (rat) (vapour)	~ 200 mg/kg (rabbit) (vapour)
Aluminum powder, uncoated	> 1000 mg/m ³ (male rat) (4-hour exposure) (dust)		
Silica 2482, hydrophobic	> 2080 mg/m ³ (rat) (4-hour exposure) (dust)	> 3160 mg/kg (mouse)	

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 be harmful At high concentrations nose and throat irritation, lung injury. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Skin Absorption

May be harmful based on animal tests.

Ingestion

May be harmful based on animal tests.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. It can cause severe lung injury and may even be fatal.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause harmful effects on the kidneys, harmful effects on the liver, effects on the central nervous system. Symptoms may include restlessness, reduced ability to think, muscle tremors, memory loss and personality changes. Irritation of the respiratory system. May cause respiratory tract injury. Symptoms may include shortness of breath, rapid breathing, and coughing. The ability to do some physical activities can be reduced. Dermatitis. Symptoms may include dry, red, cracked skin (dermatitis).

Respiratory and/or Skin Sensitization

Skin sensitizer. (COBALT BIS(2-ETHYLHEXANOATE))

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Stoddard Solvent	Group 3	Not designated	Not Listed	
Xylene (mixed isomers)	Group 3	A4		

COBALT BIS(2-ETHYLHEXANOATE)	Group 2B			
Barium metaborate		A4		
Propylene glycol monomethyl ether acetate	Not evaluated	Not Listed	Not Listed	
Diethylene glycol monobutyl ether	Not evaluated	Not Listed	Not Listed	
Methyl ethyl ketoxime	Not evaluated	Not Listed	Not Listed	
Aluminum powder, uncoated	Not evaluated	A4	Not Listed	
Solvent naphtha	Group 3			
Silica 2482, hydrophobic	Group 3	Not Listed	Not Listed	

May cause cancer based on limited evidence. IARC: Group 2B – Possibly carcinogenic to humans. (COBALT BIS(2-ETHYLHEXANOATE))

Key to Abbreviations

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

Reproductive Toxicity

Development of Offspring

May harm the unborn child. (Xylene (mixed isomers))

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

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
Canadian TDG	1263	PAINT	3	III

Environmental Hazards Not applicable

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 January 29, 2019
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 - 2 Flammability - 2 Instability - 1

SDS Prepared By Allcolour Paint Limited

Phone No. 19058274173

Date of Preparation January 29, 2019

Date of Last Revision January 29, 2019

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).

Product Identifier: 554002 ALUMINIUM / ALUMINUM - Ver. 1

SDS No.: 1894

Date of Preparation: January 29, 2019

Date of Last Revision: January 29, 2019

Page 08 of 09

Disclaimer

Allcolour Paint has prepared this Safety Data Sheet 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. Allcolour Paint Limited cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This Safety Data Sheet may not be changed or altered in any way without the expressed knowledge and permission of Allcolour Paint Limited. The information in the sheet was written based on the best knowledge and experience currently available.

Product Identifier: 554002 ALUMINIUM / ALUMINUM - Ver. 1
Date of Preparation: January 29, 2019
Date of Last Revision: January 29, 2019

SDS No.: 1894

Page 09 of 09