



Safety Data Sheet

L1096MR
ADH 1096MR

Revision Date 21-Apr-2015
Supersedes Date: No information available
Version 1.01

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name ADH 1096MR
Product Code L1096MR

Product(s) Covered
 L1096MR-59 ADH 1096MR - CH PAIL 36.2 LB
 L1096MR-59V ADH 1096MR - CH PAIL 36.2 LB
 L1096MR-75 ADH 1096MR - GA CAN (7.20 LB)
 L1096MR-OH ADH 1096MR - OH DRUM 391.1 LB
 L1096MR-OHV ADH 1096MR - OH DRUM 391.1 LB

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Adhesives.
Uses Advised Against No information available

1.3. Details of the Supplier of the Safety Data Sheet

Company Name

Bostik, Inc.
 11320 W. Watertown Plank Road
 Wauwatosa, Wisconsin 53226 USA
 Phone: +1 (800) 843-0844 (Domestic Toll Free)
 Phone: +1 (414) 774-2250 (International)
 Fax: +1 (414) 774-8075
 Email: msds@bostik-us.com

1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332
 (Outside U.S.) 1-703-527-3667

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin sensitization	Category 1
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable Liquids	Category 2

2.2. Label Elements

EMERGENCY OVERVIEW

DANGER

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Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor



Appearance No information available **Physical State** Liquid

Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see first aid measures on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
In case of fire: Use CO₂, dry chemical, or foam to extinguish.

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not Applicable

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Unknown Toxicity

7.95% of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other Information

May be harmful if swallowed

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical Name	CAS No	Weight-%
Methyl ethyl ketone	78-93-3	10 - 30
Toluene	108-88-3	10 - 30
Solvent naphtha, petroleum, light aliphatic	64742-89-8	10 - 30
Naphtha, petroleum, solvent-refined light	64741-84-0	1 - 5
Magnesium oxide	1309-48-4	1 - 5
Hexane	110-54-3	1 - 5
Rosin	8050-09-7	0.1 - 1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

General Advice	If medical advice is needed, have product container or label at hand.
Eye Contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
Inhalation	Remove to fresh air.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Self-protection of the First Aider	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

4.4. Reference to Other Sections

Reference to Other Sections See Section 12: ECOLOGICAL INFORMATION
SECTION 7: Handling and Storage
SECTION 8: Exposure Controls/Personal Protection

SECTION 5: Fire Fighting Measures

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5.1. Extinguishing Media

Suitable Extinguishing Media

Use CO2, dry chemical, or foam.

Unsuitable Extinguishing Media

Use water spray or fog; do not use straight streams.

5.2. Special Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Chemical

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

5.3. Advice for Firefighters

Protective Equipment and Precautions for Firefighters

Move containers from fire area if you can do it without risk.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Other Information

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

For Emergency Responders

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental Precautions

Environmental Precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.3. Methods and Material for Containment and Cleaning up

Methods for Containment

Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for Cleaning up

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

6.4. References to Other Sections

Reference to Other Sections

See Section 12: ECOLOGICAL INFORMATION
SECTION 7: Handling and Storage
SECTION 8: Exposure Controls/Personal Protection

SECTION 7: Handling and Storage

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7.1. Precautions for Safe Handling

Advice on Safe Handling Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ventilating/lighting/equipment.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage Conditions Keep only in the original container/package in a cool well-ventilated place.

Incompatible Materials Strong acids and bases.

7.3. Specific End Use(s)

Other Information No information available.

7.4. References to Other Sections

Reference to Other Sections See Section 12: ECOLOGICAL INFORMATION
SECTION 7: Handling and Storage
SECTION 8: Exposure Controls/Personal Protection

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³	TWA: 200 ppm TWA: 590 mg/m ³	TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³
Toluene 108-88-3	TWA: 20 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³	TWA: 200 ppm Ceiling: 300 ppm	TWA: 50 ppm TWA: 188 mg/m ³
Magnesium oxide 1309-48-4	TWA: 10 mg/m ³ inhalable fraction	IDLH: 750 mg/m ³ fume	TWA: 15 mg/m ³ fume, total particulate	TWA: 10 mg/m ³
Hexane 110-54-3	TWA: 50 ppm S*	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m ³	TWA: 500 ppm TWA: 1800 mg/m ³	TWA: 50 ppm TWA: 176 mg/m ³
Rosin 8050-09-7	-	TWA: 0.1 mg/m ³ Formaldehyde	-	TWA: 0.1 mg/m ³

Chemical Name	Argentina	Brazil	Chile	Venezuela
Methyl ethyl ketone 78-93-3	TWA: 200 ppm STEL: 300 ppm	TWA: 155 ppm TWA: 460 mg/m ³	TWA: 160 ppm TWA: 472 mg/m ³	STEL: 300 ppm TWA: 200 ppm
Toluene 108-88-3	TWA: 50 ppm Skin	TWA: 78 ppm TWA: 290 mg/m ³ Skin	TWA: 80 ppm TWA: 300 mg/m ³ Skin	Skin TWA: 20 ppm
Magnesium oxide 1309-48-4	TWA: 10 mg/m ³	-	-	TWA: 10 mg/m ³
Hexane 110-54-3	TWA: 50 ppm Skin	-	TWA: 40 ppm TWA: 141 mg/m ³	TWA: 50 ppm
Rosin 8050-09-7	-	-	-	TWA:

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8.2. Exposure Controls

Engineering Controls

Showers
Eyewash stations
Ventilation systems.

Personal protective equipment [PPE]

Eye/Face Protection

Tight sealing safety goggles. Face protection shield.

Skin and Body Protection

Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Brown
Odor	Solvent
Odor Threshold	No information available

Property

Values

Remarks • Method

pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	> 79 °C / 174.2 °F	
Flash Point	< 1 °C / < 33.8 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	No information available
Density	.868 g/ml
VOC	5.5 LB/GAL

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SECTION 10: Stability and Reactivity

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical Stability

Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Keep away from heat, sparks and flames.

10.5. Incompatible Materials

Strong acids and bases.

10.6. Hazardous Decomposition Products

Carbon oxides.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Product Information	No data available
Inhalation	No data available.
Eye Contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone 78-93-3	= 2183 mg/kg (Rat) = 2737 mg/kg (Rat)	= 6480 mg/kg (Rabbit) = 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Solvent naphtha, petroleum, light aliphatic 64742-89-8	-	= 3000 mg/kg (Rabbit)	-
Naphtha, petroleum, solvent-refined light 64741-84-0	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 73680 ppm (Rat) 4 h
Magnesium oxide 1309-48-4	3800 mg/kg (Rat)	-	-
Hexane 110-54-3	= 25 g/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
Rosin 8050-09-7	>2800 mg/Kg (rat)	> 2500 mg/kg (Rabbit)	= 1.5 mg/L (Rat) 4 h

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Symptoms	No information available.
Skin Corrosion/Irritation	No information available.
Serious Eye Damage/Eye Irritation	No information available.
Irritation	No information available.
Corrosivity	No information available.
Sensitization	No information available.

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Germ Cell Mutagenicity	No information available.
Reproductive Toxicity	Product is or contains a chemical which is a known or suspected reproductive hazard.
Developmental Toxicity	No information available.
Teratogenicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Chronic Toxicity	Contains a known or suspected reproductive toxin. Avoid repeated exposure. May cause adverse liver effects.
Target Organ Effects	Central nervous system, Eyes, Kidney, Liver, Peripheral Nervous System (PNS), Respiratory system, Skin.
Aspiration Hazard	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)
Group 3 - Not classifiable as a human carcinogen*

SECTION 12: Ecological Information

12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Methyl ethyl ketone 78-93-3	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50 96 h 3130 - 3320 mg/L (Pimephales promelas flow-through)	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	EC50 48 h > 308 mg/L (Daphnia magna)
Toluene 108-88-3	EC50 96 h > 433 mg/L (Pseudokirchneriella subcapitata) EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 15.22 - 19.05 mg/L (Pimephales promelas flow-through) LC50 96 h = 12.6 mg/L (Pimephales promelas static) LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h 14.1 - 17.16 mg/L (Oncorhynchus mykiss static) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h 11.0 - 15.0 mg/L (Lepomis macrochirus static) LC50 96 h = 54 mg/L (Oryzias latipes static) LC50 96 h = 28.2 mg/L (Poecilia reticulata semi-static) LC50 96 h 50.87 - 70.34 mg/L (Poecilia reticulata static)	EC50 = 19.7 mg/L 30 min	EC50 48 h 5.46 - 9.83 mg/L (Daphnia magna Static) EC50 48 h = 11.5 mg/L (Daphnia magna)
Solvent naphtha, petroleum, light aliphatic 64742-89-8	EC50 72 h = 4700 mg/L (Pseudokirchneriella subcapitata)			
Naphtha, petroleum, solvent-refined light 64741-84-0	EC50 72 h = 4700 mg/L (Pseudokirchneriella subcapitata)			EC50 48 h = 9.74 mg/L (Daphnia magna)
Magnesium oxide 1309-48-4				48H 190mg/L Daphnia Magna

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Hexane 110-54-3		LC50 96 h 2.1 - 2.98 mg/L (Pimephales promelas flow-through)		EC50 24 h > 1000 mg/L (Daphnia magna)
Rosin 8050-09-7	EC50 72 h = 400 mg/L (Desmodemus subspicatus)	LC50 (96h) >10mg/L Fish (Danio rerio)	EC50 = 31.5 mg/L 30 min	EC50 48 h >100 mg/L (Daphnia magna)

12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative Potential

No information available.

12.4. Mobility in Soil

No information available.

12.5 Other adverse effects

No information available

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Disposal of Wastes

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

Contaminated Packaging

Dispose of in accordance with federal, state and local regulations

SECTION 14: Transport Information

DOT

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II
Special Provisions	149, B52, IB2, T4, TP1, TP8
Description	UN1133, Adhesives, 3, II
Emergency Response Guide Number	128

IATA

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II
ERG Code	3L
Special Provisions	A3
Description	UN1133, Adhesives, 3, II

IMDG

UN/ID No	UN1133
Proper Shipping Name	Adhesives

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Hazard Class	3
Packing Group	II
EmS-No	F-E, S-D
Description	UN1133, Adhesives, 3, II, (1°C c.c.)

SECTION 15: Regulatory Information

Global Inventories

TSCA	Listed
DSL	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

B2 - Flammable liquid

D2A - Very toxic materials



United States of America

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No
Toluene	108-88-3
Hexane	110-54-3

California Proposition 65

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. %

Chemical Name	CAS No
Toluene	108-88-3
Ethylbenzene	100-41-4
Benzene	71-43-2

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

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SECTION 16: Other Information

HMIS Health Hazards 2* Flammability 3 Physical Hazards 0 Personal Protection X

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet
No information available

Key Literature References and Sources for Data
No information available

Prepared By	Product Safety & Regulatory Affairs
Revision Date	21-Apr-2015
Revision Note	Not Applicable.
Training Advice	Provide adequate information, instruction, and training for operator
Further Information	No information available

Disclaimer
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End of Safety Data Sheet