



Safety Data Sheet

L7132M
ADH 7132M

Revision Date 09-Dec-2015
Supersedes Date: No information available
Version 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name ADH 7132M
Product Code L7132M

Product(s) Covered

L7132M-59 ADH 7132M - 5GA PAIL (38.4#)
L7132M-OH ADH 7132M - 54GA DRUM (414.6#)

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.) 1-703-527-3887

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
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

Hazard statements

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Causes skin irritation
Causes serious eye irritation
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 No information available

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
Wear eye/face protection
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

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 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

Unknown Toxicity

6.75% of the mixture consists of ingredient(s) of unknown toxicity

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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-%
Toluene	108-88-3	30 - 60
Methyl ethyl ketone	78-93-3	10 - 30
Tetrahydrofuran	109-99-9	10 - 30

*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

5.1. Extinguishing Media

Suitable Extinguishing Media

Use CO₂, dry chemical, or foam.

Unsuitable Extinguishing Media

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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.
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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. Reference to other sections

Reference to Other Sections	See Section 12: ECOLOGICAL INFORMATION Section 7: HANDLING AND STORAGE SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
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Section 7: HANDLING AND STORAGE

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.
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7.2. Conditions for Safe Storage, including any Incompatibilities

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

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
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
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
Tetrahydrofuran 109-99-9	STEL: 100 ppm TWA: 50 ppm S*	IDLH: 2000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 250 ppm STEL: 735 mg/m ³	TWA: 200 ppm TWA: 590 mg/m ³	TWA: 200 ppm TWA: 590 mg/m ³ STEL: 250 ppm STEL: 735 mg/m ³

Chemical Name	Argentina	Brazil	Chile	Venezuela
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
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
Tetrahydrofuran 109-99-9	TWA: 200 ppm STEL: 250 ppm	TWA: 156 ppm TWA: 460 mg/m ³	TWA: 160 ppm TWA: 470 mg/m ³	Skin STEL: 100 ppm TWA: 50 ppm

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.

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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	No information available
Odor	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	> 65 °C / 149 °F	
Flash Point	-5.6 °C / 21.9 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	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		
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 (%)	20
Density	.920 g/ml
VOC	< 80 %

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

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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: TOXICOLOGY 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.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 30 mg/L (Rat) 4 h
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Tetrahydrofuran 109-99-9	= 1650 mg/kg (Rat)	-	= 21000 ppm (Rat) 3 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.

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, 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	-	-
Tetrahydrofuran 109-99-9	A3	-	-	-

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A3 - Confirmed animal carcinogen with unknown relevance to humans
IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
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)
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)
Tetrahydrofuran 109-99-9		LC50 96 h 1970 - 2360 mg/L (Pimephales promelas flow-through) LC50 96 h 2700 - 3600 mg/L (Pimephales promelas static)		EC50 24 h = 5930 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

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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
Hazard Class	3
Packing Group	II
EMS-No	F-E, S-D
Description	UN1133, Adhesives, 3, II, (-5.6°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

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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

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	yes
Fire Hazard	yes
Sudden release of pressure hazard	No
Reactive Hazard	No

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
Benzene	71-43-2
Ethylbenzene	100-41-4

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 candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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

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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