



Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
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 4045
Product Code L4045

Product(s) Covered

L4045-59 ADH 4045
L4045-59V ADH 4045
L4045-75 ADH 4045
L4045-82 ADH 4045
L4045-GS ADH 4045
L4045-GSV ADH 4045
L4045-OJ ADH 4045
L4045-OJV ADH 4045

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

Recommended Use No information available.
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: Hazards Identification

2.1. Classification of the Substance or Mixture

Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

2.2. Label Elements

EMERGENCY OVERVIEW

DANGER

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

Hazard Statements

Causes serious eye irritation
May cause drowsiness or dizziness
Highly flammable liquid and vapor



Appearance No information available

Physical State Liquid

Odor No information available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing 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
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
In case of fire: Use CO₂, dry chemical, or foam to extinguish

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not Applicable

Unknown Toxicity

27.00% of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other Information

May be harmful if swallowed
May be harmful in contact with skin

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not Applicable

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

3.2 Mixtures

Chemical Name	CAS No	Weight-%
Methyl ethyl ketone	78-93-3	15 - 40
Acetone	67-64-1	15 - 40

*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
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.

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

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

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.

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

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

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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
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³	TWA: 1000 ppm TWA: 2400 mg/m ³	TWA: 1000 ppm TWA: 2400 mg/m ³ STEL: 1260 ppm STEL: 3000 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
Acetone 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 780 ppm TWA: 1870 mg/m ³	TWA: 600 ppm TWA: 1424 mg/m ³	STEL: 750 ppm TWA: 500 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.
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

Property	Values	Remarks • Method
pH	No information available	

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

Melting Point/Freezing Point	No information available
Boiling Point	> 56 °C / 132.8 °F
Flash Point	-17.2 °C / 1 °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 (%)	26.3
Density	.871 g/ml
VOC	37.2 %

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

None known based on information supplied.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

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	= 2737 mg/kg (Rat)	= 6480 mg/kg (Rabbit)	= 23500 mg/m ³ (Rat) 8 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m ³ (Rat) 8 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 No information available.
Developmental Toxicity No information available.
Teratogenicity No information available.
STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Chronic Toxicity Avoid repeated exposure.
Target Organ Effects Central nervous system, Eyes, Respiratory system, Skin.
Aspiration Hazard No information available.
Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC or NTP.

SECTION 12: Ecological Information

12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Methyl ethyl ketone 78-93-3		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 > 520 mg/L (Daphnia magna) EC50 48 h = 5091 mg/L (Daphnia magna) EC50 48 h 4025 - 6440 mg/L (Daphnia magna Static)
Acetone 67-64-1		LC50 96 h 6210 - 8120 mg/L (Pimephales promelas static) LC50 96 h = 8300 mg/L (Lepomis macrochirus) LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static) EC50 48 h 12600 - 12700 mg/L (Daphnia magna)

12.2. Persistence and Degradability

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

No information available.

12.3. Bioaccumulative Potential

No information available.

12.4. Mobility in Soil

No information available.

12.5. Results of PBT and vPvB Assessment

No information available.

12.6. 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
Hazard Class	3
Packing Group	II
EmS-No	F-E, S-D

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
Supersedes Date: No information available
Version 1.01

Description UN1133, Adhesives, 3, II, (-17.2°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

D2B - 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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

California Proposition 65

This product does not contain one or more substances listed on Proposition 65 at or above 0.01 wt. %.

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. %

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

Safety Data Sheet

L4045
ADH 4045

Revision Date 02-Oct-2014
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Key Literature References and Sources for Data

No information available

Prepared By	Product Safety & Regulatory Affairs
Revision Date	02-Oct-2014
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