



LEXCAN SAFETY DATA SHEET

DATE PREPARED: 02/07/2023

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME

BA-90 Bonding Adhesive

SUPPLIER NAME AND ADDRESS

*Lexusco 2010 Corporation
3275 Orlando Dr.
Mississauga, ON, L4V 1C5
Tel: 905.792.8300
Fax: 905.792.8305*

Prepared By: Lexusco 2010 Corporation

Product Use: Industrial use only. Adhesive

Application of the substance / the mixture: Adhesive

EMERGENCY TELEPHONE NUMBER:

*Chemtrec: 800.424.9300
International: 703.527.3887*

SECTION 2 - HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable Liquid - Category 2

SYMBOL(S)

GHS02 FLAME



HAZARD STATEMENTS

H225 *Highly flammable liquid and vapor*

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Germ Cell Mutagenicity - Category 1B

Carcinogenicity - Category 1A

Reproductive Toxicity - Category 2

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Aspiration Hazard - Category 1

SYMBOL(S)

GHS08 Health hazard



HAZARD STATEMENTS

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters the airways.

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Aquatic Chronic 2

SYMBOL(S)

GHS09 Environment



HAZARD STATEMENTS

H411 Toxic to aquatic life with long-lasting effects.

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Acute Toxicity (Oral) - Category 4

Skin Irritation - Category 2

Eye Irritation - Category 2A

Specific Target Organ Toxicity - Single Exposure - Category 3

Aquatic Acute 3

SYMBOL(S)

GHS07 Exclamation mark



HAZARD STATEMENTS

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H402 Harmful to aquatic life.

LABEL ELEMENTS

GHS LABEL ELEMENT

The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS

GHS02



GHS07



GHS08



GHS09



SIGNAL WORD

DANGER

HAZARD-DETERMINING COMPONENT OF LABELING:

Naphtha (petroleum), solvent-refined light
Formaldehyde, polymer with 4-(1, 1-dimethylethyl)phenol
toluene
acetone

HAZARD STATEMENTS

Highly flammable liquid and vapour.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
Maybe fatal if swallowed and enters airways.
Harmful to aquatic life.
Toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS

If medical advice is needed, have product containers or labels at hand.
Keep out of reach of children.
Read labels before use.
Obtain special instructions before use.
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.
Ground and bond containers and receiving equipment.
Use explosion-proof [electrical/ventilation/lighting] equipment.
Use non-sparking tools.
Take actions to prevent static discharges.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove people 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.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Rinse mouth.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO₂, powder or water spray.
Collect spillage.
Store in a well-ventilated place. Keep containers tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 - INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION

Mixtures

DESCRIPTION

Mixtures

HAZARDOUS COMPONENTS:		
108-88-3	toluene	15-40% w/w *
64741-84-0	Naphtha (petroleum), solvent-refined light	10-30% w/w *
67-64-1	acetone	10-30% w/w *
25085-50-1	Formaldehyde, polymer with 4-(1, 1-dimethylethyl)phenol	3-7% w/w *
1309-48-4	magnesium oxide	0.5-1.5% w/w *
1314-13-2	zinc oxide	0.1-1% w/w *

* Actual concentration ranges are withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

DESCRIPTION OF AID MEASURES

AFTER INHALATION

In case of unconsciousness place patients stably in side position for transportation.

Call a doctor immediately.

Overexposure, remove to fresh air and seek medical attention.

AFTER SKIN CONTACT

Immediately wash with water and soap and rinse thoroughly.

AFTER EYE CONTACT

Rinse opened eyes for 20 minutes under running water. If the eye becomes irritated, obtain medical treatment.

Rinse opened eyes for several minutes under running water. If symptoms persist, consult a doctor.

AFTER SWALLOWING

Seek medical treatment.

INFORMATION FOR DOCTOR

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

AN INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING AGENTS

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

CO₂, sand, extinguishing powder. Do not use water.

FOR SAFETY REASONS UNSUITABLE EXTINGUISHING AGENTS

Water

Water and water with full jet

SPECIFIC HAZARD ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

ADVICE FOR FIREFIGHTERS

Firefighters use standard protective equipment including flame-retardant coat, helmet with a face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

PROTECTIVE EQUIPMENT

Protective clothing and respiratory protective device.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

ENVIRONMENTAL PRECAUTIONS

Do not allow products to reach the sewage system or any water course.
Prevent seepage into the sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water courses or sewage system.
Do not allow them to enter sewers/ surface or ground water.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste in accordance with federal, state and local regulations.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents.

REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7 - HANDLING & STORAGE

HANDLING

PRECAUTIONS FOR SAFE HANDLING

Prevent formation of aerosols.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES

Keep containers closed when not in use.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITY STORAGE:

REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES

Store in a cool location away from direct heat.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY

Store away from oxidizing agents.

FURTHER INFORMATION ABOUT STORAGE CONDITIONS

Keep receptacle tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.

SPECIFIC END USE(S)

No further relevant information available.

SECTION 8 - EXPOSURE CONTROL & PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS

No further data; see item 7.

CONTROL PARAMETERS

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:	
108-88-3 toluene	
EL	TWA: 20 ppm R
EV	TWA: 20 ppm
67-64-1 acetone	
EL	STEL: 500 ppm TWA: 250 ppm
EV	STEL: 750 ppm TWA: 500 ppm
1309-48-4 magnesium oxide	
EL	STEL: 10** mg/m ³ TWA: 10* 3** mg/m ³ *inhalable fume; ** respirable dust and fume
EV	TWA: 10 mg/m ³ inhalable
1314-13-2 zinc oxide	
EL	STEL: 10 mg/m ³ TWA: 2 mg/m ³ respirable
EV	STEL: 10 mg/m ³ TWA: 2 mg/m ³ respirable

ADDITIONAL OCCUPATIONAL EXPOSURE LIMIT VALUES FOR POSSIBLE HAZARD DURING PROCESSING:	
110-54-3 n-hexane	
EL	TWA: 20 ppm skin
EV	TWA: 176 mg/m ³ , 50 ppm
110-82-7 cyclohexane	
EL	TWA: 100 ppm
EV	TWA: 100 ppm
142-82-5 heptane	
EL	STEL: 500 ppm TWA: 400 ppm
EV	STEL: 2.045 mg/m ³ , 500 ppm TWA: 1.635 mg/m ³ , 400 ppm

ADDITIONAL INFORMATION

The lists that were valid during the creation were used as a basis.

EXPOSURE CONTROLS

PERSONAL PROTECTIVE EQUIPMENT (SEE LISTING BELOW)

GENERAL PROTECTIVE AND HYGIENIC MEASURES:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before it breaks and at the end of work.

Avoid contact with the eyes and skin.

BREATHING EQUIPMENT

Use approved respiratory protection equipment when airborne exposure is excessive.

Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.

Observe respirator use limitations specified by the manufacturer.

PROTECTION OF HANDS:
PROTECTIVE GLOVES



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

MATERIAL OF GLOVES

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

PENETRATION TIME OF GLOVE MATERIAL

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION

Safety glasses with side shields.

TIGHTLY SEALED GOOGLES



BODY PROTECTION

Protective work clothing

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES	
GENERAL INFORMATION	
APPEARANCE:	
Form:	Liquid
Colors:	Yellow
Odor:	Characteristic
Odor threshold:	Not determined
pH-value:	Not determined
Change in condition	
Melting point:	Not determined
Boiling point:	98 °C (208.4 °F)
Flash point:	-18 °C (- 64.4 °F)
Flammability: (solid, gaseous)	Not Applicable
Ignition temperature:	240 °C (464 °F)
Decomposition temperature:	Not determined
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Flammable limits	
Lower:	1.2 Vol %
Upper:	13.0 Vol %
Vapor pressure at 20 °C (68 °F):	233.0 hPa

Specific gravity:	0.839
Relative density:	Not determined
Vapor density :	Not determined
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined
Viscosity	
Dynamic:	Not determined
Kinematic:	Not determined
Solvent content	
Organic solvents:	78.0 %
Solids content:	22.0 %
Other information:	VOC = 634 g/L

SECTION 10 - STABILITY & REACTIVITY

REACTIVITY:

No further relevant information available.

CHEMICAL STABILITY

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED

No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS

No further information is available.

CONDITIONS TO AVOID

Heat, flames, sparks.

INCOMPATIBLE MATERIALS

Strong oxidizers, acids, and bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).

SECTION 11 - TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:

LD/LC50 values that are relevant for classification:

108-88-3 toluene

Oral	LD50	5.000 mg/kg (rat)
Dermal	LD50	12.124 mg/kg (rabbit)
Inhalative	LD50/4 h	5.320 mg/l (mouse)

PRIMARY IRRITANT EFFECT:

ON THE SKIN

Irritant to skin and mucous membranes.

ON THE EYE

Causes serious eye irritation.

Vapors may be irritating to the eyes.

Irritating effect.

ADDITIONAL TOXICOLOGICAL INFORMATION

May cause reproductive harm.

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

CANCINOGENIC CATEGORIES		
IARC (International Agency for Research on Cancer)		
108-88-3	toluene	3
9010-98-4	Polychloroprene Polymer	3
9003-55-8	1,3-butadiene-styrene block polymer	3

NTP (National Toxicology Program)
None of the ingredients is listed.

CMR EFFECT (CARCINOGENIC, MUTAGENIC AND TOXIC FOR REPRODUCTION)
 Germ cell mutagenicity - category 1B, Carcinogenicity - category 1A, Reproductive toxicity - category 2

SECTION 12 - ECOLOGICAL INFORMATION
--

TOXICITY:

AQUATIC TOXICITY

No further relevant information available.

PERSISTENCE AND DEGRADABILITY

No further relevant information available.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

BIOACCUMULATIVE POTENTIAL

No further relevant information available

MOBILITY IN SOIL

No further relevant information available.

ECOTOXICAL EFFECTS

REMARK

Very toxic for fish

ADDITIONAL ECOLOGICAL INFORMATION:

GENERAL NOTES

At present there are no ecotoxicological assessments.
 Water hazard class 2 (self-assessment): hazardous for water
 Do not allow products to reach ground water, water courses or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
 Also poisonous for fish and plankton in water bodies.
 Very toxic for aquatic organisms

RESULTS OF PBT AND vPvB ASSESSMENT

PBT

Not applicable.

vPvB

Not applicable

OTHER ADVERSE EFFECTS

No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

RECOMMENDATION

Must not be disposed of together with household garbage.
 Do not allow products to reach the sewage system.
 Must be specially treated adhering to official regulations.
 Disposal must be made, according to official regulations.






UNCLEANED PACKAGING

RECOMMENDATION

Disposal must be made, according to official regulations.

SECTION 14 - TRANSPORT INFORMATION

UN-Number DOT/TDG, ADR, IMDG, IATA	UN1133
UN proper shipping name DOT/TMD	ADHESIVES
IMDG, IATA	ADHESIVES

Transport hazard class (es) DOT/TDG (Transport dangerous goods):	
  Class Label	3 Flammable liquids 3
ADR, IMDG	
  Class Label	3 Flammable liquids 3
IATA	
 Class Label	3 Flammable liquids 3
Packaging group DOT/TDG, ADR, IMDG, IATA	II
Environment hazards:	Product contains environmentally hazardous substances: Naphtha (petroleum), solvent-refined light
Marine pollutant:	Yes (DOT Symbol (fish and tree)
Special making (ADR):	Symbol (fish and tree)
Special precaution for user	Warning: Flammable liquids
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information:	Proof of Transportation Classification: The SDS authoring software has TDG classification capabilities based on product composition. Products are classified as per the revision date provided on the SDS.
DOT/TDG Remarks:	Special marking with the symbol (fish and tree).
ADR Limited quantities (LQ) :	5L
UN "Model Regulation" :	UN 1133 ADHESIVES (VAPOUR PRESSURE AT 50°C (122°F) NOT MORE THAN 110 KPA), 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15 - REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATION/LEGISLATION SPECIFIC FOR SUBSTANCE OR MIXTURE

TSCA (Toxic Substances Control ACT)

All components are included.

PRODUCT-RELATED HAZARD INFORMATION:

The product is classified and identified according to the Hazardous Products Guidelines

NATIONAL REGULATIONS:

TECHNICAL INSTRUCTIONS (AIR)

CLASS	SHARE IN %
NK	78.0

WATER HAZARD CLASS

Water hazard class 2 (Self-assessment): hazardous for water.

CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

DATE OF THE LATEST REVISION OF THE SAFETY DATA SHEET 02/07/2023/6

ABBREVIATIONS AND ACRONYMS

ICAO: *International Civil Aviation Organisation*

IMDG: *International Maritime Code for Dangerous Goods*

DOT: *US Department of Transportation*

IATA: *International Air Transport Association*

EINECS: *European Inventory of Existing Commercial Chemical Substances*

ELINCS: *European List of Notified Chemical Substances*

CAS: *Chemical Abstracts Service (division of the American Chemical Society)*

LC50: *Lethal concentration, 50 percent*

LD50: *Lethal dose, 50 percent*

PBT: *Persistent, Bioaccumulative and Toxic*

vPvB: *very Persistent and very Bioaccumulative*

Reference: *The information herein is presented in good faith and believed to be correct as of the date hereof. Information is based upon supplier issued safety data sheets and may be subject to error. If apprised of changes, updated SDS will be promptly issued. Users must make their own determination regarding the suitability of the product for their own purposes prior to use.*

Prepared By: *Lexsuco 2010 Corporation*