Regulatory Data Sheet

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This Regulatory Data Sheet is provided as a courtesy in response to a customer request.

Document Group:	19-4845-4	**Version Number:**	6.01
Issue Date:	10/26/23	**Supercedes Date:**	01/30/23

3M™ EC-1648 B/A Structural Epoxy Adhesive

3M
Automotive and Aerospace Solutions Division
3M Center, St. Paul, MN 55144-1000, USA
1-888-3M HELPS (1-888-364-3577)

RDSs are available at www.3M.com

This product is a kit or a multipart product which consists of multiple, independently packaged components. An RDS for each of these components is included. Please do not separate the component RDSs from this cover page. The document numbers of the RDSs for components of this product are:

19-4837-1, 19-4840-5

Disclaimers: The information provided in this document related to material content represents 3M's knowledge and belief, which may be based in whole or in part on information provided by suppliers to 3M. This is intended to answer commonly asked questions about 3M products and is not intended to be a comprehensive listing of all substances that may be of interest or that may be regulated in this or other 3M products, nor is it intended to be a comprehensive summary of any and all regulations that may apply to this product. Where substances are listed, their listing does not infer or constitute a judgment as to their safety, environmental or health impacts. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. Customers are encouraged to consult with legal and regulatory experts to determine applicable regulations in light of intended use of the product.

Limitation of Remedies and Liability: In the event any Product is proven not to conform with the information in this document, then to the extent permitted by law, 3M's entire liability and Buyer's exclusive remedy, will be at 3M's option either: (i) replacement of Product with a conforming product, or (ii) refund of the purchase price paid by Buyer for each non-conforming Product, within a reasonable time after written notification of said non-conformance and return of said Product to 3M. 3M shall not under any circumstances be liable for direct, incidental, special, or consequential damages (including but not limited to loss of profits, revenue, or business) related to or arising out of this certification, including, the use, misuse or inability to use the Product. Unless stated otherwise in writing, the foregoing language cannot be waived, modified, or supplemented in any manner whatsoever.

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This Regulatory Data Sheet is provided as a courtesy in response to a customer request.

Document Group:	19-4837-1	**Version Number:**	9.04
Issue Date:	02/17/26	**Supersedes Date:**	11/19/25

3M™ Scotch-Weld™ Epoxy Adhesive EC-1648 B/A Part A

3M
Automotive and Aerospace Solutions Division
3M Center, St. Paul, MN 55144-1000, USA
1-888-3M HELPS (1-888-364-3577)

RDSs are available at www.3M.com

Regulations and Industry Standards

SDS (US OSHA)
See Safety Data Sheet (SDS) for hazard and other regulatory data.
Aerospace and Defense Declarable Substance List (AD-DSL)
International Aerospace Environmental Group (IAEG) Aerospace and Defense Declarable Substance List (AD-DSL) Reportable, Declarable, and Of Interest substance(s) are not intentionally added. This declaration reflects the substances on the AD-DSL as of the date of this certificate.
California Proposition 65
This product is an industrial product manufactured outside of California. It has not been assessed for consumer sale or use. Contact the manufacturer if more information is needed for your use.
Conflict Minerals
Conflict Minerals, which the U.S. Securities and Exchange Commission (“SEC”) has defined as gold, columbite-tantalite (coltan), cassiterite, wolframite, or their derivatives (tin, tantalum, or tungsten), are not contained in or are not “necessary to the functionality or necessary to the production” of the above-listed product, as the term “necessary to the functionality or the production” is defined under the SEC’s Conflict Minerals Rule. 77 Fed. Reg. 56274 (Sept. 12, 2012).
ELV (End of Life Vehicles)
This product does not contain intentionally added amounts of substances restricted by EU Directive 2000/53/EC, as amended 2008/33/EC.
EU REACH
Substances listed in Annex XIV of Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) are not intentionally added to this product.
EU REACH
This product is a chemical preparation under Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). To the best of its knowledge, 3M has pre-registered and has registered/is intending to register all substances of its chemical preparations that it currently imports into and/or manufactures in the European Union that are in scope for (pre-)registration by 3M. It has a required safety

data sheet.

EU REACH

This product, including any article that the product is composed of, does not contain at greater than 0.1% by weight a Substance of Very High Concern (SVHC) substance identified according to Article 59 of REACH. This declaration reflects the substances on the candidate SVHC list, effective February 2026.

EU RoHS

This product does not exceed the maximum concentration values (MCVs) set under EU Directive 2011/65/EU (RoHS recast/RoHS 2), as stated in Annex II to that directive. This means that each of the homogenous materials within this product does not exceed the following MCVs: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; and (b) 0.01% (by weight) for cadmium.

EU RoHS Phthalates

This product does not exceed the maximum concentration values (MCVs) for phthalates set under EU Directive 2011/65/EU (RoHS recast/RoHS 2), as amended by EU 2015/863, which applies to finished EEE after July 22, 2019 for Category 1-7, 10-11 products and after July 22, 2021 for Category 8 and 9 products. This means that each of the homogeneous materials within this product does not exceed the MCV of 0.1% (by weight) for each of the following phthalates: DEHP, BBP, DBP, and DIBP.

Stockholm Agreement

This product does not contain Persistent Organic Pollutants (POPs) at or above applicable thresholds per Annexes A, B, and C of the Stockholm Convention, May 2004 and subsequent amendments.

TSCA 8(a) Nanomaterial Reporting

This product does not contain nanoparticles subject to reporting under TSCA Section 8(a). Under the “Chemical Substances When Manufactured or Processed as Nanoscale Materials: TSCA Reporting and Recordkeeping Requirements” rule, a reportable nanoparticle is defined as having at least one dimension in the size range of 1 – 100 nm and is manufactured or processed to exhibit unique and novel properties because of its size.

TSCA Section 6(h) PBT Chemicals

This product is not known to contain the five TSCA Section 6(h) Persistent, Bioaccumulative, and Toxic (PBT) Chemicals issued December 2020: Decabromodiphenyl Ether (Deca-BDE) (CAS 1163-19-5), 2,4,6-Tri-tert-butylphenol (CAS 732-26-3), Phenol, isopropylated phosphate (3:1) (PIP (3:1)) (CAS 68937-41-7), Hexachlorobutadiene (HCBD) (CAS 87-68-3), and Pentachlorothiophenol (PCTP) (CAS 133-49-3).

Chemicals and/or Compounds of Interest

Acrylamide (CAS 79-06-1) : Not known to contain.
Asbestos : Not known to contain.
Bisphenol A (BPA) (CAS 80-05-7) : Not known to contain.
Butyl Benzyl Phthalate (BBP) (CAS 85-68-7) : Not known to contain.
Butylated Hydroxyanisole (BHA) (CAS 25013-16-5) : Not known to contain.
Butylated Hydroxytoluene (BHT) (128-37-0) : Not known to contain.
Cadmium and (Cd) Compounds : Not known to contain.
Crystalline Silica : Contains.
Di(2-Ethylhexyl) Phthalate (DEHP) (CAS 117-81-7) : Not known to contain.
Di(Methoxyethyl) Phthalate (DMEP) (CAS 117-82-8) : Not known to contain.
Dibutyl Phthalate (DBP) (CAS 84-74-2) : Not known to contain.
Dicyclohexyl phthalate (DCHP) (CAS 84-61-7) : Not known to contain.
Dihexyl phthalate (DNHP) (CAS 84-75-3) : Not known to contain.
Diisobutyl Phthalate (DIBP) (CAS 84-69-5) : Not known to contain.
Diisodecyl Phthalate (DIDP) : Not known to contain.
Diisohexyl phthalate (CAS 71850-09-4) : Not known to contain.
Diisononyl Phthalate (DINP) : Not known to contain.
Di-n-Octyl Phthalate (DNOP) (CAS 117-84-0) : Not known to contain.
Dipentyl phthalate (DPP) (CAS 131-18-0) : Not known to contain.
Lead and (Pb) Compounds : Not known to contain.
Mercury and (Hg) Compounds : Not known to contain.
Ozone Depleting Chemicals (ODCs) : Not known to contain.
Phthalates : Not known to contain.

Per- and Polyfluoroalkyl Substances (PFAS)

PFAS refers to a broad range of thousands of materials with varying properties and characteristics, which may include high resistance to oil, water, temperature, chemicals, and fire, which makes certain PFAS critical to the functioning of many modern products.

Chlorofluorocarbons (CFCs) : Not intentionally added.
Fluorovinylmethylsiloxane (FVMQ) Rubber : Not intentionally added.
Hydrochlorofluorocarbons (HCFCs) : Not intentionally added.
Long-chain perfluoroalkyl carboxylate LCPFCA (C9-C21) : Not intentionally added.
Per- and polyfluoroalkyl substances (PFAS) : Not intentionally added.
Perfluorinated Compounds (PFCs) : Not intentionally added.
Perfluorohexane sulfonate (PFHxS) : Not intentionally added.
Perfluorohexanoic acid (PFHxA) (CAS 307-24-4) : Not intentionally added.
Perfluorooctanesulfonic Acid (PFOS) (CAS 1763-23-1) : Not intentionally added.
Perfluorooctanoic Acid (PFOA) (CAS 335-67-1) : Not intentionally added.
Poly(Chlorotrifluoroethylene) (PCTFE) (CAS 9002-83-9) : Not intentionally added.
Polytetrafluoroethylene (PTFE) (CAS 9002-84-0) : Not intentionally added.
Vinylidene Fluoride-Hexafluoropropylene Polymer (9011-17-0) : Not intentionally added.

Definitions

Note: all Definitions take Disclaimers into account and apply to the "Chemicals and/or Compounds of Interest" and/or "Per and poly-fluoroalkyl Substances (PFAS)" sections only

Terms	Definitions
Contains*	Present based on composition information disclosed by 3M suppliers, analytical testing, or both.
Not known to contain*	1. Analytical measurement for presence is not currently available; 2. If measurement is possible, a) The material has not been identified or disclosed to 3M and b) The material has not been specifically quantified or detected; OR c) Based on information from raw material suppliers, possible presence as an impurity or by-product at or below regulatory thresholds (e.g., 0.1 or 0.01 %)
Intentionally added**	Desired in the final product to provide a specific characteristic, appearance, or quality and/or to perform a specific function.
Not intentionally added**	By-product(s), impurity(ies) and/or unintended artifact(s) resulting from the formulation and/or manufacture of a material.
By-product***	A chemical substance produced without a separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance or mixture.
Impurity***	A chemical substance which is unintentionally present with another chemical substance (e.g., residuals, catalysts, process solvents).

**Terms apply to the Chemicals and/or Compounds of Interest Section only (if section is present)*
***Terms apply to the PFAS Section only (if section is present)*
****Terms apply to both the Chemicals and/or Compounds of Interest and PFAS Sections (if section(s) are present)*

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of the purchase price paid by Buyer for each non-conforming Product, within a reasonable time after written notification of said non-conformance and return of said Product to 3M. 3M shall not under any circumstances be liable for direct, incidental, special, or consequential damages (including but not limited to loss of profits, revenue, or business) related to or arising out of this certification, including, the use, misuse or inability to use the Product. Unless stated otherwise in writing, the foregoing language cannot be waived, modified, or supplemented in any manner whatsoever.

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This Regulatory Data Sheet is provided as a courtesy in response to a customer request.

Document Group:	19-4840-5	**Version Number:**	9.04
Issue Date:	02/17/26	**Supersedes Date:**	11/19/25

3M™ Scotch-Weld™ Epoxy Adhesive EC-1648 B/A Part B

3M
Automotive and Aerospace Solutions Division
3M Center, St. Paul, MN 55144-1000, USA
1-888-3M HELPS (1-888-364-3577)

RDSs are available at www.3M.com

Regulations and Industry Standards

SDS (US OSHA)
See Safety Data Sheet (SDS) for hazard and other regulatory data.
Aerospace and Defense Declarable Substance List (AD-DSL)
This product contains an International Aerospace Environmental Group (IAEG) Aerospace and Defense Declarable Substance List (AD-DSL) Reportable, Declarable, and/or Of Interest substance(s). This declaration reflects the substances on the list as of the date of this certificate.
California Proposition 65
This product is an industrial product manufactured outside of California. It has not been assessed for consumer sale or use. Contact the manufacturer if more information is needed for your use.
Conflict Minerals
Conflict Minerals, which the U.S. Securities and Exchange Commission (“SEC”) has defined as gold, columbite-tantalite (coltan), cassiterite, wolframite, or their derivatives (tin, tantalum, or tungsten), are not contained in or are not “necessary to the functionality or necessary to the production” of the above-listed product, as the term “necessary to the functionality or the production” is defined under the SEC’s Conflict Minerals Rule. 77 Fed. Reg. 56274 (Sept. 12, 2012).
ELV (End of Life Vehicles)
This product does not contain intentionally added amounts of substances restricted by EU Directive 2000/53/EC, as amended 2008/33/EC.
EU REACH
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EU REACH
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Dicyclohexyl phthalate (DCHP) (CAS 84-61-7) : Not known to contain.
Dihexyl phthalate (DNHP) (CAS 84-75-3) : Not known to contain.
Diisobutyl Phthalate (DIBP) (CAS 84-69-5) : Not known to contain.
Diisodecyl Phthalate (DIDP) : Not known to contain.
Diisohexyl phthalate (CAS 71850-09-4) : Not known to contain.
Diisononyl Phthalate (DINP) : Not known to contain.
Di-n-Octyl Phthalate (DNOP) (CAS 117-84-0) : Not known to contain.
Dipentyl phthalate (DPP) (CAS 131-18-0) : Not known to contain.
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Ozone Depleting Chemicals (ODCs) : Not known to contain.
Phthalates : Not known to contain.

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Hydrochlorofluorocarbons (HCFCs) : Not intentionally added.
Long-chain perfluoroalkyl carboxylate LCPFCA (C9-C21) : Not intentionally added.
Per- and polyfluoroalkyl substances (PFAS) : Not intentionally added.
Perfluorinated Compounds (PFCs) : Not intentionally added.
Perfluorohexane sulfonate (PFHxS) : Not intentionally added.
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Perfluorooctanoic Acid (PFOA) (CAS 335-67-1) : Not intentionally added.
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Vinylidene Fluoride-Hexafluoropropylene Polymer (9011-17-0) : Not intentionally added.

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Terms	Definitions
Contains*	Present based on composition information disclosed by 3M suppliers, analytical testing, or both.
Not known to contain*	1. Analytical measurement for presence is not currently available; 2. If measurement is possible, a) The material has not been identified or disclosed to 3M and b) The material has not been specifically quantified or detected; OR c) Based on information from raw material suppliers, possible presence as an impurity or by-product at or below regulatory thresholds (e.g., 0.1 or 0.01 %)
Intentionally added**	Desired in the final product to provide a specific characteristic, appearance, or quality and/or to perform a specific function.
Not intentionally added**	By-product(s), impurity(ies) and/or unintended artifact(s) resulting from the formulation and/or manufacture of a material.
By-product***	A chemical substance produced without a separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance or mixture.
Impurity***	A chemical substance which is unintentionally present with another chemical substance (e.g., residuals, catalysts, process solvents).

**Terms apply to the Chemicals and/or Compounds of Interest Section only (if section is present)*
***Terms apply to the PFAS Section only (if section is present)*
****Terms apply to both the Chemicals and/or Compounds of Interest and PFAS Sections (if section(s) are present)*

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of the purchase price paid by Buyer for each non-conforming Product, within a reasonable time after written notification of said non-conformance and return of said Product to 3M. 3M shall not under any circumstances be liable for direct, incidental, special, or consequential damages (including but not limited to loss of profits, revenue, or business) related to or arising out of this certification, including, the use, misuse or inability to use the Product. Unless stated otherwise in writing, the foregoing language cannot be waived, modified, or supplemented in any manner whatsoever.