



# REGULATORY DATASHEET

Version: RDS.MF550.01.230726

Dear most valued Customer;

Thank you for using ADC products.

This Regulatory Datasheet (RDS) is specific to **CALMAST MF550**, in the following also referred to as ADC Product. It covers the following topics:

- REACH Certificate/SVHC/ANNEX XIV / ANNEX XVII
- Heavy Metals /Rohs
- California Proposition 65
- Animal origin, TSE/BSE, Kosher/Halal
- Per - and PolyFlourinated Alkyl Substances (PFAS)
- PPW/ ELV/ RoHS / WEEE/ CONEG
- Certain restricted substances
- Halogen content

## 1. Status of ADC Product with respect to REACH Certificate/SVHC/ANNEX XIV/ ANNEX XVII

**ADC Plastics** is working to ensure our products that are either sold directly into the European Union, or are used as an additive into articles that are subsequently sold into the EU will comply with the REACH guidelines.

All formulary ingredients have been pre- registered, registered, or are exempt.

Upon review of the proposed additions and updates to the SVHC list on 14/06/2023, and all previous additions, we declare that the **ADC Plastics** products listed on the cover letter above do not contain any of the substances listed in concentrations above 0.1% w/w. In addition, our products do not contain any of the substances that pertain to REACH Annex XIV and Annex XVII updated 12/15/21 and all previous additions.

We base this claim on knowledge of the materials used for preparation of our products and requested disclosure from our suppliers.

According to the recipe in the production of the **ADC Product**, **ADC** does not intentionally add:

- Substances of Very High Concern (SVHC), included in the most recent and authentic "Candidate List of Substances of Very High Concern for Authorisation" in a concentration above the threshold limit of 0.1%, as published by the European Chemicals Agency (ECHA) on <https://echa.europa.eu/candidate-list-table>, dated June 14, 2023 (List of 235 substances).
- Substances subject to the provisions of Annex XIV (Authorisation) or Annex XVII (Restriction) of the EU REACH regulation, and its amendments.
- Substances listed in the UK REACH Candidate List of Substances of Very High Concern (SVHCs) for Authorisation in accordance with Article 59(10) of UK REACH.

## 2. Status of ADC Product with respect to PPW/ ELV/ RoHS/WEEE/CONEG

The chemical composition of the **ADC Product** complies with:

- EU Directive 94/62/EC of 20 December 1994 on packaging and packaging waste (PPW), up to and including EU Directive (EU) 2018/852 of 30 May 2018.
- EU Directive 2000/53/EC of 18 September 2000 on end-of-life vehicles (ELV), up to and including Commission Delegated Directive (EU) 2020/363 of 17 December 2019.
- EU Directive 2002/95/EC of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 1), recast by European Directive 2011/65/EU (RoHS 2), amendment by European Directive (EU) 2015/863 of 31 March 2015 (RoHS 2 amendment), up to and including Commission Delegated Directive (EU) 2023/171 of 28 October 2022.
- China Standard GB/T 26572-2011, "Requirements of concentration limits for certain restricted substances in electrical and electronic products. " issued by China's Ministry of Industry and Information Technology (MIIT).

Since the **ADC Product** does not contain brominated flame retardants, this material is not subject to the selective waste requirements of Annex VII of Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) and amendments.

With respect to heavy metals (Cadmium, Mercury, Lead and hexavalent Chromium), the chemical composition of the ADC Product complies with:

- EU Directive 94/62/EC of 20 December 1994 on packaging and packaging waste (PPW), up to and including EU Directive (EU) 2018/852 of 30 May 2018.
- Eu Directive 2000/53/EC of 18 September 2000 on end-of life vehicles (ELV), up to and including Commission Delegated Directive (EU) 2020/363 of 17 December 2019.
- Coalition of Northeastern Governors (CONEG) developed "Model Toxics in Packaging Legislation".

The **ADC Product** is not classified as "hazardous mixture" according to EU Regulation (EC) 1272/2008 on the classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

We can inform you that based on the acute toxicity information (oral rat LD50) for high molecular weight polymers in general, to the best of our knowledge, it is our opinion that the **ADC Product** is essentially non-toxic if used and handled according to specifications outlined in the Safety Data Sheet (SDS)

We advise you to follow the safety guidelines and recommendations in the SDS.

### 3. Status of ADC Product with respect to certain restricted substances

According to the recipe in the production of the **ADC Product**, the following substances as such are not intentionally used or added:

- Acetone
- Acetyl tributyl citrate (ATBC)
- Acrylamide(s)
- Acrylonitrile
- Active and intelligent materials as defined in Commission Regulation (EC) No 450/2009 of 29 May 2009.
- AlkylPhenols (AP) and AlkylPhenol Ethoxylates (APE) (e.g. nonylphenol or nonylphenol ethoxylates)
- Amide solvents such as, but not limited to, N,N-dimethylformamide (DMF), N,N-dimethylacetamide (DMA) and N-methyl-2-pyrrolidone (NMP)
- Amine catalysts, amine reagents, amine solvents
- Anisoles (incl. chloro and bromo anisoles)
- Anthraquinone and its derivatives
- Antimicrobials (antibiotics, disinfectants, antiseptics)

- Antimony trioxide, antimony pentoxide
- (Aromatic) diamines (e.g. benzidine, 4,4'-methylenedianiline (MDA))
- Asbestos
- Azides
- Aziridine(s)
- Azodicarbonamide(s), hydrazine(s)
- Azo-dyes, azo-pigments and azo-colorat
- BADGE, BFDGE or NOGE and derivatives as referred to in Commission Regulation (EC) No 1895/2005 of 18 November 2005 on the restriction of use of certain epoxy derivatives
- Benzene
- Benzophenone and its derivatives
- Benzo[a]pyrene, benzo[e]pyrene
- Benzotriazole (BTA)
- Biocides (preservatives, insecticides, disinfectants, antiseptics, pesticides, fumigants)
- Bisphenol-A, -AP, -AF, -B, -BP, -C, -C2, -E, -F, -G, -M- S, -P, -PH, -TMC, -Z
- Boric acid; diboron trioxide; tetraboron disodium heptaoxide, hydrate; disodium tetraborate, anhydrous; orthoboric acid sodium salt; disodium tetraborate decahydrate; disodium tetraborate pentahydrate
- Butylated hydroxyanisole (BHA)
- Butylated hydroxytoluene (BHT)
- Carbamates
- Chlorinated paraffins (SCCP, MCCP, LCCP)
- Chlorobenzene
- Chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs)
- Chlorophenols (e.g. pentachlorophenol)
- 2-Chloro-propanol
- 3-Chloro-1,2-propanediol (3-MCPD)
- Cobalt (Co) or mica sourced from conflict-affected and high-risk areas in accordance with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.
- Conflict Minerals (cassiterite / tin; columbite-tantalite (coltan) / tantalum; wolframite / tungsten and gold), as referred to in Title XV, Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act
- Cyanides

- Cytotoxins, endotoxins, hormones
- 1,3-Dichloro-2-propanol (1,3-DCP)
- Dimethylfumarate (DMF)
- Dioxins and furans
- 2-Ethylhexylhexanoic acid (2-EH)
- Ethylene oxide
- Engineered nanomaterials
- Epichlorohydrin
- Formaldehyde
- Flame retardants (incl. chlorinated, brominated, phosphorous-based (organophosphorus) compounds) (e.g. HBCD, TBBPA, phosphinates)
- Fragrances, perfumes
- Genetically Modified Organisms (GMO) or substances derived thereof
- Glycoethers
- Glyoxal (ethanedial)
- Ground bamboo, bamboo flour or fibers, corn flour
- Human pathogens
- Human substances and substances of human origin (e.g. blood, DNA, insulin)
- (Iso)cyanates
- Latex, natural rubber
- Melamine
- Metals: Arsenic (As), Cadmium (Cd), hexavalent Chromium (Cr<sup>6+</sup>), Lead (Pb), Mercury (Hg), Gold (Au), Iridium (Ir), Molybdenum (Mo), Nickel (Ni), Osmium (Os), Palladium (Pd), Platinum (Pt), Rhodium (Rh), Ruthenium (Ru), Selenium (Se), Silver (Ag), Thallium (Tl), Tin (Sn), Vanadium (V).
- Methylene chloride
- Methyl Ethyl Ketone (MEK)
- Methyl IsoButyl Ketone (MIBK)
- Microorganisms / Microbes (e.g. bacteria, fungi, yeasts, moulds, archaea, protists, viruses)
- Nitrates, Nitrites, Nitric acid, Nitrous acid, Nitrosating agents, Nitrating agents
- Nitro compounds (aliphatic and aromatic) such as, but not limited to, nitrosamines, nitroso compounds, nitroalkanes, nitroalkenes, nitrocellulose, nitrofurazone and nitrobenzene.
- Organotin (organostannic) compounds (mono-, di-, tri-alkyltins and their derivatives, such as, but not limited to MBT, DBT, TBT, TeBT, MOT, DOT, TPhT, TcMT)

- Ozone Depleting Substances (ODS) according to the Montreal protocol, EU Regulation (EU) No 2017/265 amending Regulation (EC) No 1005/2009 or Class I and II ODS according to the US Clean Air Act, Title VI.
- Fluorinated Greenhouse Gases according to Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006.
- Paint-Wetting Impairment Substances (PWIS)
- Parabens
- (very) Persistent, (very) Bioaccumulative and/or Toxic substances (PBT and/or vPvB)
- Persistent Organic Pollutants (POP) according to the Stockholm Convention or EU Regulation (EC) No 850/2004 (amending Directive 79/117/EEC), recast by EU Regulation (EU) No 2019/1021, including amendments up to and including Commission Delegated Regulation (EU) 2021/277.
- Phenol, resorcinols, cresols, catechols
- Photoinitiators (e.g. isopropylthioxanthone (ITX))
- Plasticizers, softeners (Tris(2-chloroethyl) phosphate (TCEP), trimellitates, adipates, sebacates, maleates, sulfonamides)
- Polybrominated Terphenyls (PBT) / Polychlorinated Biphenyls (PCB)
- Polybrominated Biphenyls (PBB) or Polybrominated Diphenyl Ethers (PBDE)
- Polychlorinated Phenols (PCP) / Polychlorinated Naphthalenes (PCN)
- Polycyclic Aromatic Hydrocarbons (PAH)
- Polyvinylchloride (PVC), Polyvinylidene chloride (PVDC), Chlorinated Polyvinylchloride (CPVC) and Polychloroprene (neoprene)
- Primary Aromatic Amines (PAA) and substances that can generate primary aromatic amines.
- Pyridine(s)
- Quaternary ammonium compounds
- Radioactive substances
- Rare-earth elements: Cerium (Ce), Dysprosium (Dy), Erbium (Er), Europium (Eu), Gadolinium (Gd), Holmium (Ho), Lanthanum (La), Lutetium (Lu), Neodymium (Nd), Praseodymium (Pr), Promethium (Pm), Samarium (Sm), Scandium (Sc), Terbium (Tb), Thulium (Tm), Ytterbium (Yb), and Yttrium (Y).
- Recycled materials
- Rosin, colophony (a.k.a. colophonium) and substances derived thereof
- Semicarbazide
- Silicones, silicone oils, siloxanes

- Substances (above the mentioned concentration levels) as listed in the Global Automotive Declarable Substance List (GADSL) reference list, version V1.0, February 1<sup>st</sup>, 2023.
- Substances (above limit values applying to Product class I) as listed in Annex 4 of the OEKO-TEX<sup>®</sup> Standard 100, Edition 01.2023
- “Substances causing allergies or intolerances” as listed in Annex II of Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 on the provision of food information to consumers. These include: Cereals, Crustaceans, Eggs, Fish, Peanuts, Soybeans, Milk, Nuts, Celery, Mustard, Sesame seeds, Sulphur dioxide and sulphites, Lupin and Molluscs
- Substances on the OSPAR List of Chemicals for Priority Action (Revised 2013)
- Substances that could potentially be converted into nitrosamine compounds (nitrosatable substances) in any of the manufacturing steps and applied process conditions.
- Substances classified as Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under Toxic Substances Control Act (TSCA), Section 6(h), as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act, including those issued by the US EPA via five final rules on January 6, 2021:
  - Decabromodiphenyl ether (DecaBDE) CASRN 1163-19-5
  - Phenol, isopropylated phosphate (3:1) [PIP (3:1)] CASRN 68937-41-7
  - Pentachlorothiophenol (PCTP) CASRN 133-49-3
  - Hexachlorobutadiene (HCBD) CASRN 87-68-3
  - 2,4,6-tris(tert-butyl) phenol, (2,4,6-TTBP) CASRN 732-26-3
- Thiurams
- Titanium acetylacetonate (TAA)
- Triaryl phosphites, Triclosan, Triclocarban
- Triethyl amine
- 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (TXIB)
- Tris(nonylphenyl, branched and linear) phosphite (TNPP)
- Vinyl Chloride Monomer (VCM)
- Volatile Organic Compounds in a concentration exceeding the limit (3%) of the Swiss regulation SR 814.018: “Verordnung über die Lenkungsabgabe auf Flüchtigen Organischen Verbindungen (VOCV)” of November 12<sup>th</sup> 1997
- Xylene

#### 4. Status of ADC Product with respect to Halogen content

Regarding the presence of halogens in the **ADC Product** we can inform you that according to the recipe in the production the following substances as such are not intentionally used or added:

- Halogens (Bromine, Fluorine, Iodine, Astatine, except for Chlorine) or halogen compounds.

The ADC Product contains trace amounts of organic or inorganic chlorine compounds, originating from the catalyst system used in the manufacturing process (Chlorine level is <50 ppm). It is a “Halogen-Free” material according to the International Electrochemical Commission’s (IEC) definition of Halogen-Free (IEC 61249-2-21).

#### 5. Status of ADC Product with respect to Per- and PolyFluorinated Alkyl Substances (PFAS)

According to the recipe in the production of the **ADC Product**, the following substances as such are not intentionally added:

Per- and PolyFluorinated Alkyl Substances (PFAS) including, but not limited to:

- Per- and PolyFluorinated Carboxylic Acids (PFCA) and their derivatives (e.g. Long Chain PerFluorinated Alkyl Carboxylates (LCPFAC) and their salts and precursors, TFA, PFPA, HFBA, PFHxA, PFOA, PFNA and “GenX substances”)
- Per- and PolyFluorinated Sulfonic Acids (PFSA) and their derivatives (e.g. PFBS, PFHxS, PFOS, PFOSA)
- PerFluoroEther Carboxylic Acids (PFECA) and their derivatives
- PerFluoroEther Sulfonic Acids (PFESA) and their derivatives
- PerFluoroAlkyl Phosphonic or Phosphinic Acids (PFPhA, PFPiA) and their derivatives
- Fluorinated polymers (e.g. PTFE, FEP, PVDF, PVF)
- PerFluoroPolyEthers (PFPE)



## 6. Status of ADC Product with respect to California Proposition 65

According to the recipe in the production of the **ADC Product**, the following substance(s) as such is / are not intentionally added:

Substances (at levels resulting in exceedance of indicated safe harbor levels) mentioned in the list of chemicals known to cause cancer or reproductive toxicity (Safe Drinking Water and Toxic Enforcement Act of 1986) of the California Proposition 65, updated April 21, 2023.

## 7. Status of ADC Product with respect to Phthalates / Endocrine Disruptors / CMR substances / Cosmetics Regulation / EuPIA Exclusion Policy

According to the recipe in the production of the **ADC Product**, the following substances as such are not intentionally added:

- Phthalates (the product is manufactured using a phthalate-free catalyst system).
- Substances listed in the Endocrine Disruptor Lists I, II and III ([www.edlists.org](http://www.edlists.org); latest update April 2022). That also covers substances referred to in item I and II of Article L. 5232-5 of the Public Health Code, France.
- Substances classified as CMR (all categories) according to the Regulation (EC) 1272/2008 on the classification, labelling and packaging of substances and mixtures and its amendments, except for authorised substances as referred to in Articles 5 and 6 of EU Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food, and its amendments.
- “Substances prohibited in cosmetic products” as listed in Annex II or “Substances which cosmetic products must not contain except subject to the restrictions laid down” as listed in Annex III of EU Regulation (EC) No 1223/2009/EC on cosmetic products including amendments up to and including Commission Regulation (EU) 2022/2195 of 10 November 2022.
- Substances (Group A – G) as listed in the EuPIA Exclusion Policy for printing inks and related products, 4th Edition of March 2021.

## 8. Status of ADC Product with respect to Animal origin, TSE/BSE, Kosher/Halal

According to the recipe in the production of the **ADC Product**, the following substances as such are not intentionally added:

- Animal substances or substances of animal origin.
- Alcohol

The absence of these substances has not been checked by tests.

Based on the absence of animal substances or substances of animal origin in the **ADC Product**, to the best of our knowledge, the risk of transmission of Transmissible Spongiform Encephalopathies (TSE) / Bovine Spongiform Encephalopathy (BSE) is not relevant.

It has to be recognized that the **ADC Product** is not produced in an exclusive "Halal or Kosher Certified" surrounding.

## 9. General Information

Although several substances are declared as not intentionally added to the **ADC Product** in the above-mentioned statements, their absence has not been checked by tests. This does not exclude the presence of negligibly slight traces due to, amongst others, impurities in the components supplied by external parties and used in the production of such components.

This declaration applies to the **ADC Product** as it leaves its production facilities. It does not cover any substance(s) or preparation(s) subsequently added and/or in expert material processing or article fabrication further down in the supply chain.

Please note carefully that regulations develop continuously and that **ADC** declarations may be adapted accordingly. This declaration replaces all previous versions relating to this subject and product, and will be valid for a period of 1 (one) year, after which it will automatically expire.

If you have any further questions, or require any additional information on the above, please contact Us.