

OTTOSEAL®**S 51**

Sustainability data sheet

Inspections/authorisations



- French VOC-emission class A+

- Environmental Product Declarations (EPD)

Declaration number: EPD-DBC-20220180-IBF1-EN

Building certification system

QNG - Quality Seal for Sustainable Buildings

Version 1.3

Criterion	Avoiding harmful substances in building materials
Overview table	4. Adhesives and sealants - line 4.1
Building product group	Adhesives and sealants (acrylates and silicones) used on site indoors
Requirements	Product documentation and declaration of contained SVHC >0.1 % and chlorinated paraffins ≤0.1 % and declaration of biocidal active substances in silicones
Classification	Meets the requirements, as declaration of contained SVHC >0.1 % and chlorinated paraffins ≤0.1 % and declaration of biocidal active substances in silicones.

QNG - Quality Seal for Sustainable Buildings

Version 1.3

Criterion	Avoiding harmful substances in building materials
Overview table	13. Building products for building services installations - line 13.2
Building product group	Internal and external fire barriers; fire protection filler compounds, fire protection coatings for cables and fire protection silicones
Requirements	Product documentation and declaration of contained SVHC >0.1 % and chlorinated paraffins, TCEP, PBB and PBDE ≤0.1 %
Classification	Meets the requirements, as declaration of contained SVHC >0.1 % and chlorinated paraffins, TCEP, PBB und PBDE ≤0.1 %.

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)**Version 2023**

Criterion	ENV 1.2 Risks for the local environment	
Criteria matrix	line no. 13	
Product type	Adhesive for air tightness of facades inside and outside: e.g. PU, PU Hybrid, MS Polymer, SMP, acrylate, silicone.	
Requirements	Quality category 1 (low)	<0.1 % halogenated propellant and bonus points SVHC \leq 0.1 %
	Quality category 2	<0.1 % halogenated propellant and bonus points SVHC \leq 0.1 %
	Quality category 3	Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMI CODE [®] EC 1 ^{PLUS} or VOC <1 % and bonus points SVHC \leq 0.1 %
	Quality category 4 (high)	Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMI CODE [®] EC 1 ^{PLUS} or VOC <1 % and bonus points SVHC \leq 0.1 %
Classification	Fulfills quality category 4 requirements with chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and VOC <1 % und SVHC \leq0.1 %.	

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)**Version 2023**

Criterion	ENV 1.2 Risks for the local environment	
Criteria matrix	line no. 42	
Product type	Technical fire protection, bonding or sealing in interiors, PU assembly adhesives: fireproofing primers; fireproofing coatings for cables, fireproofing silicones, PU assembly adhesives for insulating materials (EPS, XPS, PUR)	
Requirements	Quality category 1 (low)	–
	Quality category 2	–
	Quality category 3	Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and SVHC \leq 0.1 %
	Quality category 4 (high)	Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and SVHC \leq 0.1 %
Classification	Fulfills quality category 4 requirements with chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and SVHC <0.1 %.	

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)**Version 2018**

Criterion	ENV 1.2 Risks for the local environment	
Criteria matrix	line no. 12	
Product type	Sealants, sealant compounds, adhesives for punctiform and linear bonding of interior components and ventilation ducts within buildings. This refers to acrylate sealants/adhesives, silicone sealants and SMP (hybrid sealants).	
Requirements	Quality category 1 (low)	–
	Quality category 2	No chlorinated paraffins declared in the SDS
	Quality category 3	Chlorinated paraffins <0.1 %
	Quality category 4 (high)	Chlorinated paraffins <0.1 %, solvents <1 % and PAH plasticisers <0.1 %
Classification	Fulfills quality category 4 requirements with chlorinated paraffins <0.1 %, solvents <1 % and PAH plasticisers <0.1 %.	

Version 2018

Criterion	ENV 1.2 Risks for the local environment
Criteria matrix	line no.42
Product type	Technical fire protection, bonding or sealing in interiors, PU assembly adhesives: fireproofing primers; fireproofing coatings for cables, fireproofing silicones, PU assembly adhesives for insulating materials (EPS, XPS, PUR).
Requirements	Quality category 1 (low) – Quality category 2 – Quality category 3 Chlorinated paraffins <0.1 % and SVHC <0.1 % Quality category 4 (high) Chlorinated paraffins <0.1 % and SVHC <0.1 %
Classification	Fulfills quality category 4 requirements with chlorinated paraffins <0.1 % and SVHC <0.1 %.

BNB – Bewertungssystem Nachhaltiges Bauen (Rating System for Sustainable Building)**Version 2015**

Criterion	1.1.6 Risks for the local environment
Overview table	4. Surface coatings on predominantly non-mineral surfaces (wood, metals, plastics) – line no.44
Construction product type	Fire protection primers, fire protection coatings for cables, fire protection silicones for fillings, coatings, adhesives or sealings in interiors and exteriors with fire protection requirements.
Requirements	Quality category 1 (low) Documentation and declaration of contained SVHC >0.1 %. Quality category 2 Declaration of contained SVHC >0.1 % and chlorinated paraffins, PBB, PBDE, TCEP <0.1 %. Quality category 3 Declaration of contained SVHC >0.1 % and chlorinated paraffins, PBB, PBDE, TCEP <0.1 %. Quality category 4 Declaration of contained SVHC >0.1 % and chlorinated paraffins, PBB, PBDE, TCEP <0.1 %. Quality category 5 (high) Declaration of contained SVHC >0.1 % and chlorinated paraffins, PBB, PBDE, TCEP <0.1 %.
Classification	Fulfills the quality category 5 requirements as declaration of contained SVHC >0.1 % and chlorinated paraffins, PBB, PBDE, TCEP <0.1 %.

Criterion	1.1.6 Risks for the local environment	
Overview table	6. Adhesives and sealants – line no. 8	
Construction product type	Adhesives and sealants made of PU, SMP (silane-modified polymers), acrylate (including dispersion adhesives) or silicone for punctiform and linear bonding and sealing in the interior, including TGA.	
Requirements	Quality category 1 (low)	Documentation, declaration of contained SVHC >0.1 % and declaration of biocidal agents (if used).
	Quality category 2	Declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %. For PU adhesives additionally applies: GISCODE PU10 or PU20 and TCEP <0.1 %.
	Quality category 3	Declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %. For PU adhesives additionally applies: GISCODE PU10 or PU20 and TCEP <0.1 %.
	Quality category 4	No amine- or oxime-interlacing silicones. Additionally applies: RAL-UZ 123 or EMICODE® EC 1/EC 1 ^{PLUS} and chlorinated paraffins and declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 %. For PU adhesives additionally applies: TCEP <0.1 %.
	Quality category 5 (high)	No amine- or oxime-interlacing silicones. Additionally applies: RAL-UZ 123 or EMICODE® EC 1/EC 1 ^{PLUS} and chlorinated paraffins <0.1 % and declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 %. For PU adhesives additionally applies: TCEP <0.1 %.
Classification	Fulfills the quality category 3 requirements because of declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %.	
Documentation documents	All the listed documents can be downloaded from www.otto-chemie.com <ol style="list-style-type: none">1. Technical data sheet2. Safety data sheet3. Sustainability data sheet4. Test certificates5. Environmental product declaration	

This information is based on our knowledge at the time of the compilation (see below). The current version can be viewed on our website at: www.otto-chemie.com. Furthermore, the information in the documents accompanying the products is applicable.
