



Care - Maintenance of wooden facades

As the outermost layer of the building wall, the façade cladding is exposed to the effects of the weather. The service life of coatings depends on the exposure, the weather exposure, the quality of workmanship, the surface quality of the wood and the weather protection effect of the structural measures. The weathering of the timber façade varies depending on the direction of the sky.

This weathering process can be significantly delayed with maintenance. We recommend an annual inspection of surfaces treated with impra products. Minor damage should be repaired directly with the original coating material. Horizontal surfaces and areas close to the ground exposed to splash water are generally considered wear surfaces and must be maintained annually. Depending on the degree of weathering, a maintenance coat may be necessary.

For maintenance and renovation coatings, it is important to ensure that the desired colour shade is tested by applying test coats before starting work. Colour differences between the weathered façade and the original colour are normal. With transparent systems such as impralan-Grund G400, impralan-Lasur T110, impralan-lasur T600 or profilan fina-Hybrid, the maintenance intervals are longer than with opaque systems such as impralan D300, D400 or profilan opac.

Taking into account the influences described above, the treatment cycles for glazes are between 3 - 6 years and for opaque coatings between 6 - 10 years.

Timely maintenance extends the renovation intervals.

Care treatments

Glazing: Slightly weathered facades

- Lightly clean the façade with a brush and repaint 1 - 2 times with the original material.

Glazing: Weathered facades with slight paint damage

- Clean the façade with a brush
- Treat raw areas with profilan prevent against blue stain
- Spot treat treated areas with profilan fina Hybrid.
- Coat the entire surface of the prepared substrate with profilan fina Hybrid.

Opaque: Slightly weathered facades

- Lightly sand the façade with a sanding sponge, remove dust from the substrate and repaint 1 - 2 times with the original material.

Opaque: Weathered façades with slight paint damage

- Sand the façade and completely remove any non-adhesive coating.
- Treat raw areas with profilan prevent against blue stain.
- Patch the treated areas with profilan opac all-weather varnish.
- Coat the entire surface of the prepared substrate with profilan opac Allwetterlack 1 - 2 times.

Technical data sheet

Surface products

impralan-Deep Black

**Water-thinnable, oil-modified thin-layer glaze for exterior wood.
Long-term moisture-protection with universal processing properties.**

Fields of application	Oil glaze for the modern design of wooden facades, glulam, carports, garden wood, mouldings, etc. Especially for a natural look on rough-sawn and fine-sawn softwoods with a single application
Properties	• Water-repellent due to oil component • Mould and algae protection • Open-pored, highly diffusible • No flaking • Fast drying, quickly rainproof • Very long weather protection • Complies with DIN EN 71-3 "Safety of toys" • Density approx. 1.02 g/cm³ at 20° C
Composition	Special binder emulsion, water, additives, preservative, matting agent.
Colour shades	Black
Gloss level	Silk matt
Packaging	20 litre container Other container sizes on request.
Application procedure	Vacumat, automatic surface spraying machine, automatic brushing machine, painting.
Consumption	Planed wood, approx. 60 - 80 ml/m ² per coat. Rough sawn wood, approx. 80 - 120ml/m ² per coat Consumption may vary depending on the substrate and application method. The exact consumption must be determined on the basis of a test surface.

impralan-Deep Black

Preparation of the Substrate	The wooden substrate must be clean, solid, and stable. The wood moisture content should be 12 - 14%. Wood that has been exposed to UV light and weathering for a long time must always be sanded. A greyed lignin layer must be completely removed by sanding, brushing, or blasting. Basic sanding is required for smooth planed surfaces. Old coatings must be checked for their load-bearing capacity. If they adhere poorly to the substrate, they must be completely removed. Load-bearing old coats must be well sanded and dedusted. The adhesion to the substrate must be checked by creating a test surface. Remove resin pockets before treatment. Resin leakage and resin discoloration are natural and cannot be prevented by coating measures. Ensure adequate structural wood protection prior to coating work. Further information on substrate preparation and structural wood protection can be found in BFS data sheet 18. Protect exterior wood against blue stain and rot with an impralan primer containing an active ingredient, depending on the requirements of DIN 68800.		
Processing instructions	General information Stir well before use. We recommend using a special brush/roller for water-based glazes and paints. Use a suitable abrasive for intermediate sanding (grain size 180-220). To avoid uneven moisture absorption, coat wooden components on all sides. Do not apply and dry at temperatures below + 10° C (circulating air, substrate, and material) and not in direct sunlight. The adhesion of sealants for connection joints must be tested on the coating in advance.		
System products	impralan-Grund G100, water-based, active ingredient-free impregnation impralan-Grund I100, water-based impregnation containing active ingredients impralan end grain sealer		
System proposals	<table border="0"> <tr> <td data-bbox="478 1489 925 1680"> <u>System variant 1:</u> • 2 x impralan-Deep Black </td><td data-bbox="957 1489 1404 1680"> <u>System variant 2:</u> • 1 x impralan-I100 base • 2 x impralan-Deep Black </td></tr> </table> The first work step must always be carried out on all sides of exterior components. Other coating structures and special variants for special types of wood and application systems on request.	<u>System variant 1:</u> • 2 x impralan-Deep Black	<u>System variant 2:</u> • 1 x impralan-I100 base • 2 x impralan-Deep Black
<u>System variant 1:</u> • 2 x impralan-Deep Black	<u>System variant 2:</u> • 1 x impralan-I100 base • 2 x impralan-Deep Black		

impralan-Deep Black

Drying time	Dust-dry: after approx. 1 hour Recoatable: after approx. 4 hours The specifications apply to standard climate 23/50 DIN 50014. Higher humidity and lower temperatures delay drying
Dilution	If necessary, with a maximum of 5 % water.
Cleaning the Tools	Clean tools with water immediately after use, do not allow to dry. Use impralan cleaner concentrate to clean systems and equipment.
Application restrictions	Drying delays and adhesion problems may occur with tropical woods. We therefore recommend a test coating. When used on wood with a high proportion of wood constituents, discolouration may occur in light colours. In some cases, knot penetration cannot be ruled out.
VOC-content (g/L)	32 g/L (Cat. 1e / Wb): max. 130 g/L
Instructions for use and warnings, Safety data sheet	Application only by specialized companies. Keep out of the reach of children. Do not fill the product into eating, drinking or other containers intended for food. Do not eat, drink, or smoke while working. Keep away from food, drink, and animal feed. Avoid contact with skin. Wear suitable protective clothing (safety goggles, gloves). Further information on the • Labelling according to Regulation (EC) 1272/2008 (CLP Regulation) • Hazard and safety instructions (H and P phrases) • Information on transport, storage, and handling (in particular personal protective equipment) • Environmental protection (in particular water hazard classes and disposal) • And other safety-relevant aspects (e.g., first aid measures) Please refer to the safety data sheet, which you can request from the internal sales department, and which applies in conjunction with this technical data sheet.
Storage/ Transport	Store in a cool, but frost-free place. Close the container tightly after use. Store in the original container in such a way that it is only accessible to authorized persons. Shelf life for cool storage see container label. Do not transport on days when there is a risk of frost.

impralan-Deep Black

This leaflet is intended to advise you. However, in view of the wide range of possible applications, no guarantee can be given for individual cases. This also applies if we have provided technical application advice. Such advice is non-binding but is given to the best of our knowledge and experience. Verbal agreements and assurances must always be confirmed in writing.

TECHNINIŲ DUOMENŲ LAPAS

„HOLZ PROF“

UGNIES ANTIPIRENAS IR IMPREGNANTAS MEDIENAI

APRAŠYMAS

„HOLZ PROF“ yra aukštos kokybės vandens pagrindo ugnies antipirenas ir impregnantas medienai apsaugoti nuo užsiliepsnojimo ir degimo. Gaminys nekenkia aplinkai ir paženklintas Šiaurės šalių ekologiniu ženklu.

„HOLZ PROF“ išbandytas ir tarptautiniu lygiu patvirtintas akredituotose laboratorijose, atitinka „Exova BM TRADA“ A ženklo ir „Applus“ bei priešgaisrinės saugos ženklo reikalavimus.

„HOLZ PROF“ apdorota mediena atitinka aukščiausią priešgaisrinę klasifikaciją, taikomą medienai skirtiems gaminiams.

- Reakcija į ugnį – klasė B-s1, d0; B(fl)-s1, d0 (EN 13501-1).
- Atsparumas degimui – klasė K110/K210 (EN 13501-2).

„HOLZ PROF“ chemiškai jungiasi su medienos ląstelės struktūra nekliudydamas cirkuluoti orui ir nesudarydamas jokio paviršinio sluoksnio. Atsparus išplovimui ir galima apdoroti vidaus ir išorės medienos paviršius. Dėl subalansuotos formulės „HOLZ PROF“ taip pat padeda pailginti medienos tarnavimo laiką ir užtikrina išskirtinį patvarumą. Apdorotai medienai nereikalinga jokia papildoma apsauginė danga. Ant viršaus galima dengti apdailos gaminius, pvz., dažais, laku, alyva ir kt., kai apdorota mediena yra visiškai išdžiuvusi.

NAUDOJIMO SRITIS

„HOLZ PROF“ tinka skirtingiems medienos tipams (kietmedžiui ir spygliuočių medienai) bei įvairiems naudojimo būdams (tiek viduje, tiek išorėje). Skirtas pastatų ir kitų konstrukcijų (statomų ar restauruojamų) medienai ir medienos komponentams apdoroti.

Paskelbtosios sertifikavimo įstaigos gaminių aprobavo pagal ES Statybos gaminių reglamentą Nr. 305/2011 (statybos gaminių lygiavertės rinkodaros sąlygos) ir klasifikavo pagal EN 13501. Dėl to gali būti suteikiama teisė apdorotą medieną ženklinti CE ženklu.

NAUDOJIMO NURODYMAI

- 1) Apdorojama mediena privalo būti sausa (drėgmės kiekis daug. 20 %), švari ir be teršalų. Esama danga turi būti pašalinta nuimant sluoksnį ar nušlifuojant.
- 2) Tepkite teptuku, voleliu ar vakuuminiu būdu esant aukštesnei nei 5 °C temperatūrai (mažiau 75 % drėgmė). Gaminio temperatūra („HOLZ PROF“) turi būti nuo +10 °C iki +30 °C, kad tinkamai įsiskverbtų į medieną.
- 3) Dengimo būdą reikia pasirinkti tokį, kad įsigėrimo gylis būtų nuo 1,5 mm iki 3 mm.
- 4) Paviršinis dengimas: denkite medieną gaminiu iš visų pusių. Denkite 2-3 sluoksnius 40-60 minučių intervalu, esant daugumos medienos rūšių bendram dengiamumui 300 g/m² (1 l į 4 m²). Rekomenduojama visiškai apdoroti (2-3 sluoksniai) kiekvieną medienos pusę prieš pereinant prie kitos, kad gaminys geriau įsigertų veikiant sunkio jėgai. Kiekvienas naujai padengtas sluoksnis turi išdžiūti esant nuo +12 °C iki +40 °C aplinkos temperatūrai (iki 75 % drėgmė).
- 5) Dengimas ir dengiamumas gali priklausyti nuo daugybės veiksnių, pvz., medienos tipo, paviršiaus sąlygų, drėgmės kiekio, dengimo būdo ir klimato sąlygų.
- 6) Džiuvimo laikas nuo 24 iki 72 valandų. Apdorota mediena turi būti džiovinama esant nuo +12 °C iki +40 °C aplinkos temperatūrai (santykinė drėgmė iki 75 %). Džiuvimo laikas priklauso nuo medienos sugeriamumo ir džiuvimo sąlygų. Esant žemai temperatūrai ir (ar) didelei santykinei drėgmei, džiuvimo laikas gali būti ilgesnis. Venkite tiesioginių saulės spindulių ir aukštos temperatūros, kol nėra iki galo išdžiuvę. Gaminys visiškai chemiškai susijungia su mediena per 7 dienas.
- 7) Visiškai išdžiuvusią apdorotą medieną galima toliau dengti kita dekoratyvia ar apsaugine apdailos medžiaga. Rekomenduojame išbandyti mažoje srityje prieš dengiant apdailos danga visą paviršių.

TECHNINIŲ DUOMENŲ LAPAS

„HOLZ PROF“

UGNIES ANTIPIRENAS IR IMPREGNANTAS MEDIENAI

SVARBIOS PASTABOS

„HOLZ PROF“ yra paruoštas naudoti ir jo negalima skiesti ar maišyti su kitais gaminiais. Kruopščiai išmaišykite prieš dengdami (dugne esančios nuosėdos neturi įtakos gaminio kokybei).

„HOLZ PROF“ netinka paviršiams, prieš tai dengtiems alyva, dažais, laku ar kita plėvelę suformuojančia ar vandeniui nelaidžia medžiaga.

Prieš dengiant visą paviršių visada rekomenduojama išbandyti tam tikroje srityje, nes medienos spalva gali šiek tiek pasikeisti. Neapdorokite įšalusios medienos. Neapdirbkite mechanškai apdorotos medienos, kai ji padengta ugniai atsparia danga. Plaukite įrankius vandeniu.

SVEIKATA IR SAUGA

Laikykitės vaikams neprieinamoje vietoje. Tvarkant ir naudojant medžiagą rekomenduojama dėvėti apsauginius akinius ir pirštines. Saugokitės, kad netyčia nepatektų į akis, burną, ant odos ir drabužių. Patekus į akis ar burną, kruopščiai ir gausiai praplaukite vandeniu. Naudoti reikia vėdinamose vietose. Naudojant pramoninėmis sąlygomis įprastiniu būdu pavojaus sveikatai nekelia. Kreipkitės į gydytoją, jei prastai jaučiatės. Kreipkitės į tiekėją, jei norite sužinoti daugiau informacijos.

SUDĖTIS

Vanduo, geležies ortofosfatas, priedai.

SANDĖLIAVIMAS IR GABENIMAS

Sandėliuokite ir gabenkite „HOLZ PROF“ sandariuose originaliuose induose, atskirai nuo maisto produktų. Laikykitės esant aukštesnei nei 0 °C ir žemesnei nei 40 °C temperatūrai. Gaminio sandėliavimo laikotarpis 36 mėnesiai.

LIKVIDAVIMAS

Gaminio perteklių ir apdorotą medieną galima likviduoti su kitomis komunalinėmis atliekomis, visada paisant galiojančių aplinkosaugos teisės aktų. Specialios priemonės nereikalingos.

PAKUOTĖS

1, 3, 5, 20, 200 litrų ir IBC – 1 000 litrų.

GALIMOS SPALVOS

Bespalvis, kitas spalvas galima užsakyti.



„HOLZ PROF OÜ“
www.holzprof.eu
+372 5665 7245



European Union
Regional Development Fund
Investing in your future

Techninis aprašymas

Paviršiaus dangos

impra®lan-Lasur S300

Vandens pagrindu pagaminta aukštos kokybės medienos lazūra, pasižyminti puikiais užpildymo savybėmis. Pramoniniam naudojimui.

Naudojimo sritys	Skaidri tarpinė ir galutinė danga mediniams elementams, naudojamiems patalpose ir lauke, pavyzdžiui, klijuotajai laminuotai medienai, profilio plokštėms, medinėms dailylentėms.
Savybės	• Didelis atsparumas UV spinduliams • Atsparus blokavimui ir drėgmę reguliuojantis • Išbandyta pagal DIN EN 71-3 „Žaislų sauga“ • Silpnas kvapas • Geras intensyvumas, užtikrinantis ilgalaikę apsaugą nuo oro sąlygų • Tankis apytiksl. 1,035 +/- 0,005 g/cm³ esant 20°C
Sudėtis	Akriolato dispersija, vanduo, glikoliai, priedai, konservantai.
Atspalviai	0000-colourless / bespalvis, 0101-light oak / šviesus ąžuolas, 0103-antique oak / sendintas ąžuolas, 0150-pine / maumedis, 0152-ash / uosis, 0200-limba, 0300-chestnut / kaštonas, 0650-wenge / venge, 0700-walnut / riešutas, 0710-light walnut / šviesus riešutas, 0749-dark mahogany / tamsus raudonmedis, 0753-light mahogany / šviesus raudonmedis, 0805-teak / tikas, 0850-rosewood / rausva. Bespalvis atspalvis niekada neturėtų būti naudojamas lauko medienai. Kiti spalvų atspalviai pagal užsakymą. Prieš dažant ant testinio ploto reikia patikrinti atspalvį.
Blizgumas	Satino blizgesys
Pakuotė	20 L; 120 L
Taikymas	Vacumatas, purškimas, šepetinė dažymo mašina.

Išėiga	Apytiksliai 80 - 120 ml/m ² vienu sluoksniu, priklausomai nuo dengimo būdo ir medienos paviršiaus. Todėl rekomenduojame individualų suvartojimą nustatyti atliekant individualius bandymus.
Paviršiaus paruošimas	Paviršius turi būti švarus, sausas ir turėti geras sukibimo savybes. Medienos drėgmės norma: 12 - 14%. Prieš apdorojant atogrąžų medieną su eteriniais infiltratais, reikia patrinti skudurėliu arba nuvalyti žalvariniu šepečiu, suvilgytu nitroskiediklyje. Išoriškai naudojamą medieną rekomenduojama iš anksto apdoroti biocidiniu gruntu.
Naudojimo nurodymai	Prieš naudojimą gerai išmaišykite. Rekomenduojamas tarpinis šlifavimas švitrinio popieriumi (180 grublėtumo), o dar geriau – Scotch-Brite kempinėle. Nenaudokite plieno vatos. Nenaudokite ir nedžiovinkite žemesnėje nei 10°C temperatūroje (produktas, paviršius ir oras) arba saulės kaitroje. Apdorojant langus ir duris naudokite tik su akrilatu suderinamas oro tarpines. Purškimu: <u>Airless:</u> antgalis 0,23-0,28 mm slėgis 120-140 bar max 150 mikronų šlapio sluoksnio <u>Airmix:</u> antgalis 0,23-0,28 mm slėgis 80-100 bar max 150 mikronų šlapio sluoksnio Vacumatas: Neskiesti. Jei reikia, sureguliuokite klampumą vandeniu.
Džiūvimas	Esant +23°C ir 50% santykinei oro drėgmei: - Nelimpa dulkės: maždaug po 1 valandos - Paruošta pakartotinai dengti/sušveisti: maždaug po 4 valandų Didelė oro drėgmė ir žema temperatūra lėtina džiūvimą.
Skiedimas	Jei reikia, praskieskite tik vandeniu.
Valymas	Po naudojimo iš karto nuplaukite vandeniu. Neleisti produktui išdžiūti.
Naudojimo aprobojimai	Užtepęs ant atogrąžų medienos ir dervingos spygliuočių medienos, infiltratai gali sulėtinti džiūvimą ir sukelti spalvos pasikeitimą bei blogą sukibimą. Todėl rekomenduotina dengti bandomąjį sluoksnį.
LOJ turinys (VOC)	37 g/l (cat. 1e/Wb): max. 130 g/l.
CLP Reglamentas	impra@lan-Lasur S300 netaikomas specialus ženklinimas. Signalinis žodis: tuščia Piktograma: tuščia
Atsargumas (H- and P statements)	Produkto sudėtyje yra 1,2-benzizotiazolo-3(2H)-on. Gali sukelti alerginę reakciją.
Pirmosios pagalbos priemonės ir sauga	Dirbdami su impra@lan-Lasur S300 visada laikykitės saugos priemonių, susijusių su tvarkymu ir asmenine sauga. Saugoti nuo vaikų. Neįkvėpti purškiamosios dulksnos. Užtikrinkite tinkamą vėdinimą darbo metu ir po jo. Patekus į akis arba ant odos, nedelsiant gerai nuplauti dideliu kiekiu vandens. Profesionalams paprašius, galima gauti medžiagų saugos duomenų lapą.

Sandėliavimas ir transportavimas	Laikyti sandariai uždarytoje originalioje pakuotėje, vaikams neprieinamoje vietoje, gerai vėdinamoje patalpoje, sausiai, vėsiai, saugant nuo tiesioginių saulės spindulių ir šalčio. Po naudojimo sandariai uždaryti. Galiojimo laikas, laikant vėsioje vietoje: žiūrėti ant pakuotės. Negalima vežti tomis dienomis, kai yra šalčio tikimybė. ADR / RID: netaikoma.
Aplinkosauga	Neleiskite impra®lan-Lasur S300 patekti į dirvą, vandenį ar drenažo kanalus. 1 vandens pavojingumo klasė (savarankiška klasifikacija pagal VwVwS 4 priedą). Tik visiškai ištuštinti konteineriai gali būti perdirbami. Skysto produkto likučius išmeskite į lako atliekų surinkimo punktą. Europos atliekų tvarkymo kodas 08 01 12.
Šis techninis aprašymas skirtas jums patarti. Tačiau, atsižvelgiant į platų galimų pritaikymų spektrą, individualiems atvejams garantija negali būti suteikta. Tai taip pat taikoma, jei teikėme su paraiška susijusias konsultacijas. Tokie patarimai yra neįpareigojantys, tačiau pagal mūsų žinias ir patirtį. Žodiniai susitarimai ir garantijos paprastai reikalauja raštiško patvirtinimo.	

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.11.2023

Version number 21 (replaces version 20)

Revision: 05.09.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** *impralan-Grund G400 0000 farblos*
- **Article number:** W709001
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
RÜTGERS Organics GmbH
Oppauer Straße 43
D-68305 Mannheim
Tel.: **49-621-76540
US: 1-980-253-8880
Fax : **49-621-7654446
e-mail: SDB.rog@ruetgers-organics.de
- **Informing department:** see: Heading 16 (Contact)
- **1.4 Emergency telephone number:** see: Manufacturer/Supplier

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
Contains 3-Iodo-2-propynylbutylcarbamate, propiconazole, adipohydrazide, Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo(4,5-d)imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture consisting of the following components.

• **Dangerous components:**

CAS: 29911-28-2	dipropylene glycol butyl ether	<5%
EINECS: 249-951-5	 Acute Tox. 3, H331	

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.11.2023

Version number 21 (replaces version 20)

Revision: 05.09.2023

Trade name: impralan-Grund G400 0000 farblos

(Contd. of page 1)

CAS: 57-55-6 EINECS: 200-338-0	Propylene glycol substance with a Community workplace exposure limit	<2%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7	3-Iodo-2-propynylbutylcarbamate ⚠ Acute Tox. 3, H331; ⚠ STOT RE 1, H372; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	<1%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole ⚠ Repr. 1B, H360D; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	<0.5%
CAS: 1071-93-8 EINECS: 213-999-5	adipohydrazide ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	<0.5%
CAS: 5395-50-6 EINECS: 226-408-0	Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo(4,5-d)imidazole-2,5(1H,3H)-dione ⚠ Skin Sens. 1, H317	<0.5%
CAS: 3811-73-2 EINECS: 223-296-5 Index number: 613-344-00-7	Pyridin-2-thiol-1-oxid, Natriumsalz ⚠ Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT RE 1, H372; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 ATE: LD50 oral: 500 mg/kg LD50 dermal: 790 mg/kg LC50/4 h inhalative: 0.5 mg/l	0-<0.05%

• **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
Dilute with much water.

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- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

57-55-6 Propylene glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
-----	--

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Hand protection**
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**
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 breaktrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

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SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• General Information

• Physical state	Fluid
• Colour:	According to product specification
• Odour:	Characteristic
• Odour threshold:	Not determined.
• Melting point/freezing point:	Not determined
• Boiling point or initial boiling point and boiling range	100 °C
• Flammability	Not applicable.
• Lower and upper explosion limit	
• Lower:	Not determined.
• Upper:	Not determined.
• Flash point:	Not applicable
• Decomposition temperature:	Not determined.
• pH at 20 °C	7.8
• Viscosity:	
• Kinematic viscosity at 20 °C	11 s (DIN 53211/4)
• dynamic:	Not determined.
• Solubility	
• Water:	Fully miscible
• Partition coefficient n-octanol/water (log value)	Not determined.
• Vapour pressure at 20 °C:	23 hPa
• Density and/or relative density	
• Density at 20 °C	1.021 g/cm ³
• Relative density	Not determined.
• Vapour density	Not determined.

• 9.2 Other information

• Appearance:	
• Form:	Fluid
• Important information on protection of health and environment, and on safety.	
• Self-inflammability:	Product is not selfigniting.
• Explosive properties:	Product is not explosive.
• Solvent content:	
• Organic solvents:	1.5 %
• Water:	76.0 %
• Change in condition	
• Evaporation rate	Not determined.

• Information with regard to physical hazard classes

• Explosives	Void
• Flammable gases	Void
• Aerosols	Void
• Oxidising gases	Void
• Gases under pressure	Void
• Flammable liquids	Void
• Flammable solids	Void
• Self-reactive substances and mixtures	Void
• Pyrophoric liquids	Void
• Pyrophoric solids	Void
• Self-heating substances and mixtures	Void
• Substances and mixtures, which emit flammable gases in contact with water	Void

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- | | |
|----------------------------------|------|
| • Oxidising liquids | Void |
| • Oxidising solids | Void |
| • Organic peroxides | Void |
| • Corrosive to metals | Void |
| • Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

29911-28-2 dipropylene glycol butyl ether

Oral	LD50	3,700 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (Ratte))
Inhalative	LC50/4 h	5.4 mg/l (Rattus norvegicus (Ratte))

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

60207-90-1 propiconazole

List II

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

29911-28-2 dipropylene glycol butyl ether

LC50(96 h)	841 mg/l (Poecilia reticulata)
EC50(48 h)	>100 mg/l (Daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

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

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

Harmful to aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** Void

- **14.4 Packing group**

- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**

- **Marine pollutant:** No

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

- **UN "Model Regulation":**

Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Poisons Act**

- **Regulated explosives precursors**

None of the ingredients is listed.

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

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• Reportable poisons
None of the ingredients is listed.
• Directive 2012/18/EU
• Named dangerous substances - ANNEX I *None of the ingredients is listed.*
• 15.2 Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is the responsibility of the user to assure himself that the information provided with this material safety data sheet is complete and applicable for his utilization of the product.

• Relevant phrases
H302 *Harmful if swallowed.*H311 *Toxic in contact with skin.*H315 *Causes skin irritation.*H317 *May cause an allergic skin reaction.*H318 *Causes serious eye damage.*H319 *Causes serious eye irritation.*H331 *Toxic if inhaled.*H360D *May damage the unborn child.*H372 *Causes damage to organs through prolonged or repeated exposure.*H400 *Very toxic to aquatic life.*H410 *Very toxic to aquatic life with long lasting effects.*H411 *Toxic to aquatic life with long lasting effects.*
• Department issuing data specification sheet: *Product safety department, Mannheim*
• Contact:

RÜTGERS Organics

Product Safety

Tel. **49 / 621 7654 247

• Abbreviations and acronyms:
ADR: *Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*IMDG: *International Maritime Code for Dangerous Goods*IATA: *International Air Transport Association*GHS: *Globally Harmonised System of Classification and Labelling of Chemicals*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*ATE: *Acute toxicity estimate values*Acute Tox. 4: *Acute toxicity – Category 4*Acute Tox. 3: *Acute toxicity – Category 3*Skin Irrit. 2: *Skin corrosion/irritation – Category 2*Eye Dam. 1: *Serious eye damage/eye irritation – Category 1*Eye Irrit. 2: *Serious eye damage/eye irritation – Category 2*Skin Sens. 1: *Skin sensitisation – Category 1*Repr. 1B: *Reproductive toxicity – Category 1B*STOT RE 1: *Specific target organ toxicity (repeated exposure) – Category 1*Aquatic Acute 1: *Hazardous to the aquatic environment - acute aquatic hazard – Category 1*Aquatic Chronic 1: *Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*Aquatic Chronic 2: *Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*Aquatic Chronic 3: *Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*
• * Data compared to the previous version altered.

Technical data sheet

Surface products

impralan-T620 oil glaze

**Water-thinnable, oil-modified thin-layer glaze for exterior wood.
Long-term moisture protection with universal processing properties.**

Fields of application	Oil glaze for the modern design of wooden facades, glulam, carports, garden wood, mouldings, etc. Especially for a natural look on rough-sawn and fine-sawn softwoods with a single application
Properties	• Water-repellent due to oil component • Mould and algae protection • Open-pored, highly diffusible • No flaking • Fast drying, quickly rainproof • Very long weather protection • Complies with DIN EN 71-3 "Safety of toys" • Density approx. 1.02 g/cm³ at 20° C
Composition	Special binder emulsion, water, additives, preservative, matting agent.
Colour shades	Base C: 0000 Colourless / Transparent Base coats can be mixed in accordance with ROG, RAL and NCS colour charts using the impra® colour mixing centre. <i>Colour shades may differ slightly from the original due to the oil character.</i> <i>Mixed and special colours must be tested using a test coat before application. Any colour complaints must be reported before the project is carried out. No complaints will be recognised thereafter.</i>
Gloss level	Silk matt
Packaging	Transparent base 18 litre Other container sizes on request.
Application procedure	Vacumat, automatic surface spraying machine, automatic brushing machine, painting.

impralan-T620 oil glaze

Consumption	Planed wood, approx. 60 - 80 ml/m² per coat. Rough sawn wood, approx. 80 - 120ml/m² per coat Consumption may vary depending on the substrate and application method. The exact consumption must be determined on the basis of a test surface.		
Preparation of the Substrate	The wooden substrate must be clean, firm, and stable. The wood moisture content should be 12 - 14%. Wood that has been exposed to UV light and weathering for a long time must always be sanded. A greyed lignin layer must be completely removed by sanding, brushing, or blasting. A basic sanding is required for smooth planed surfaces. Old coatings must be checked for their load-bearing capacity. If adhesion to the substrate is poor, these must be completely removed. Load-bearing old coats must be well sanded and dedusted. The adhesion to the substrate must be checked by creating a test surface. Remove resin pockets before treatment. Resin leakage and resin discoloration are natural and cannot be prevented by coating measures. Ensure adequate structural wood protection prior to coating work. Further information on substrate preparation and structural wood protection can be found in BFS data sheet 18. Depending on the requirements of DIN 68800, protect exterior wood against blue stain and rot using an impralan-primer containing an active ingredient.		
Processing instructions	General information Stir well before use. We recommend using a special brush/roller for water-based glazes and paints. Use a suitable abrasive for intermediate sanding (grain size 180-220). To avoid uneven moisture absorption, coat wooden components on all sides. Do not process and dry below + 10° C (circulating air, substrate, and material) and do not expose to direct sunlight. The adhesion of sealants for connection joints must be tested on the coating in advance.		
System products	impralan-Grund G100, water-based, active ingredient-free impregnation impralan-Grund G300, water-based primer containing active ingredients impralan end grain sealant		
System recommendations	<table border="0"> <tr> <td style="vertical-align: top;"> <u>System variant 1 :</u> • 2 x impralan-T620 oil glaze </td><td style="vertical-align: top;"> <u>System variant 2:</u> • 1 x impralan-G300 primer • 2 x impralan-T620 oil glaze </td></tr> </table> The first work step must always be carried out on all sides of exterior components. Other coating structures and special variants for special types of wood and application systems on request.	<u>System variant 1 :</u> • 2 x impralan-T620 oil glaze	<u>System variant 2:</u> • 1 x impralan-G300 primer • 2 x impralan-T620 oil glaze
<u>System variant 1 :</u> • 2 x impralan-T620 oil glaze	<u>System variant 2:</u> • 1 x impralan-G300 primer • 2 x impralan-T620 oil glaze		

impralan-T620 oil glaze

Drying time	Dust dry : after approx. 1 hour Recoatable : after approx. 4 hours The specifications apply to standard climate 23/50 DIN 50014. Higher humidity and lower temperatures delay drying
Dilution	If necessary, with a maximum of 5 % water.
Cleaning the Tools	Clean tools with water immediately after use, do not allow to dry. Use impralan-cleaner concentrate to clean systems and equipment.
Application restrictions	Drying delays and adhesion problems may occur with tropical woods. We therefore recommend a test coating. When used on wood with a high proportion of wood constituents, discolouration may occur in light colours. In some cases, knot-penetration cannot be ruled out.
VOC content (g/L)	32 g/L (Cat. 1e / Wb): max. 130 g/L
Instructions for use and warnings, Safety data sheet	Use only by specialized companies. Keep out of the reach of children. Do not fill the product into eating, drinking or other containers intended for food. Do not eat, drink, or smoke while working. Keep away from food, drink, and animal feed. Avoid contact with skin. Wear suitable protective clothing (safety goggles, gloves). Further information on the • Labelling according to Regulation (EC) 1272/2008 (CLP Regulation) • Hazard and safety instructions (H and P phrases) • Information on transport, storage, and handling (in particular personal protective equipment) • Environmental protection (in particular water hazard classes and disposal) • And other safety-relevant aspects (e.g., first aid measures) Please refer to the safety data sheet, which you can request from the internal sales department, and which applies in conjunction with this technical data sheet.
Storage/ Transport	Store in a cool, but frost-free place. Close the container tightly after use. Store in the original container in such a way that it is only accessible to authorized persons. Shelf life for cool storage see container label. Do not transport on days when there is a risk of frost.

impralan-T620 oil glaze

This leaflet is intended to advise you. However, in view of the wide range of possible applications, no guarantee can be given for individual cases. This also applies if we have provided technical application advice. Such advice is non-binding but is given to the best of our knowledge and experience. Verbal agreements and assurances must always be confirmed in writing.