

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

- Product identifier
- Trade name: **MARITRANS TILE PRIMER**
- Relevant identified uses of the substance or mixture and uses advised against
No relevant identified uses - mixture of substances.
- Application of the substance / the preparation **Adhesion promoter**
- Details of the supplier of the safety data sheet
MARIS POLYMERS SA
Industrial Area of Inofita
Inofita, Voiotia
Tel: +30 22960 32918
Fax: +30 22960 32919
e-mail: info@marispolymers.gr
- Emergency telephone number:
Poisoning Centre in Athens, Greece
Phone: +30 2107793777

2 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

STOT SE 3 H336 May cause drowsiness or dizziness.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R20: Harmful by inhalation.

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 Xi;Irritant

R36/38: Irritatingtoeyesandskin.

 Xn;Sensitising

R42: Maycausesensitisationbyinhalation.

 F;Highlyflammable

R11: Highlyflammable.

·Informationconcerningparticularhazardsforhumanandenvironment:

Theproducthastobelabelledduetothe calculationprocedureofthe"General ClassificationguidelineforpreparationsoftheEU"inthelatestvalidversion.

·Classificationssystem:

TheclassificationisaccordingtothelatesteditionsoftheEU-lists,andextendedby companyandliteraturedata.

·Labelements

·LabellingaccordingtoEUguidelines:

TheproducthasbeenclassifiedandmarkedinaccordancewithEUDirectives/
OrdinanceonHazardousMaterials.

·Codeletterandhazarddesignationofproduct:



XnHarmful
FHighlyflammable

·Hazard-determiningcomponentsoflabelling:

4-methyl-m-phenylenediisocyanate

·Riskphrases:

- 11 Highlyflammable.
- 20 Harmfulbyinhalation.
- 36/38Irritatingtoeyesandskin.
- 42 Maycausesensitisationbyinhalation.

·Safetyphrases:

- 7/9Keepcontainertightlyclosedandinawell-ventilatedplace.
- 16 Keepawayfromsourcesofignition-Nosmoking.
- 23 Donotbreathegas/fumes/vapour/spray(appropriate wordingtobespecified bythemanufacturer).
- 24/25Avoidcontactwithskinandeyes.
- 26 Incaseofcontactwitheyes,rinseimmediatelywithplentyofwaterandseek medicaladvice.
- 33 Takeprecautionarymeasuresagainstaticdischarges.

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- 43 Incaseoffire,usepowderedextinguishingagent.Neverusewater.
- 51 Useonlyinwell-ventilatedareas.

·Speciallabellingofcertainpreparations:

·Containsisocyanates.Seeinformationsuppliedbythemanufacturer

·Otherhazards

·ResultsofPBTandvPvBassessment

·PBT:Notapplicable.









·vPvB:Notapplicable.

3Composition/informationoningredients

·Chemicalcharacterization:Mixtures

·Description:Mixture:consistingofthefollowingcomponents.








·Components:

CAS:67-63-0 EINECS:200-661-7 Indexnumber:603-117-00-0	propan-2-ol  XiR36  FR11 R67  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOTSE3, H336	50-80%
CAS:919-30-2 EINECS:213-048-4 Indexnumber:612-108-00-0	3-aminopropyltriethoxysilane  CR34  XnR22  Skin Corr. 1B, H314  Acute Tox. 4, H302	2.5-5%

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<p>CAS:584-84-9 EINECS:209-544-5 Indexnumber:615-006-00-4</p>	<p>4-methyl-m-phenylenediisocyanate  T+R26  XnR40  XnR42/43  XiR36/37/38 R52/53 Carc.Cat.3</p> <hr style="border-top: 1px dashed black;"/> <p>  AcuteTox.2,H330  Resp.Sens.1,H334;Carc.2,H351  SkinIrrit.2,H315;EyeIrrit.2, H319;SkinSens.1,H317;STOT SE3,H335 AquaticChronic3,H412</p>	<p>≤2.5%</p>
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4 First aid measures

- Descriptionoffirstaidmeasures
- Generalinformation:
 - Symptomsofpoisoningmayevenoccurafterseveralhours;thereforemedical observationforatleast48hoursaftertheaccident.
 - Takeaffectedpersonsoutintothefreshair.
- Afterinhalation:
 - Incaseofunconsciousnessplacepatientstablyinsidepositionfortransportation.
 - Supplyfreshair.Ifrequired,provideartificialrespiration.Keeppatientwarm.
 - Consultdoctorifsymptomspersist.
- Afterskincontact:Immediatelywashwithwaterandsoapandrinsethoroughly.
- Aftereyecontact:
 - Rinseopenedeyeforseveralminutesunderrunningwater.Ifsymptomspersist, consultadoctor.
- Afterswallowing:Rinsemouth.Consultadoctorforsafetyreasons.
- Informationfordoctor:
 - Mostimportantsymptomsandeffects,bothacuteanddelayed
 - Nofurtherrelevantinformationavailable.
- Indicationofanyimmediatemedicalattentionandspecialtreatmentneeded
 - Nofurtherrelevantinformationavailable.

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5 Firefighting measures

- Extinguishingmedia
- Suitableextinguishingagents:



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

- Forsafetyreasonsunsuitableextinguishingagents:Waterwithfulljet
- Specialhazardsarisingfromthesubstanceormixture
Nofurtherrelevantinformationavailable.
- Adviceforfirefighters
- Protectiveequipment:Mouthrespiratoryprotectivedeviceandprotectiveclothes.
- Additionalinformation
Collectcontaminatedfirefightingwaterseparately.Itmustnotenterthesewage system.

6 Accidental release measures

- Personalprecautions,protectiveequipmentandemergencyprocedures
Wearprotectiveequipment.Keepunprotectedpersonsaway.
- Environmentalprecautions:
Donotallowtoentersewers/surfaceorgroundwater.
- Methodsandmaterialforcontainmentandcleaningup:
Absorbwithliquid-bindingmaterial(sand,diatomite,acidbinders,universal binders,sawdust).
Disposecontaminatedmaterialaswasteaccordingtoitem13.
Ensureadequateventilation.
Donotflushwithwateroraqueouscleansingagents
Sendforrecoveryordisposalinsuitable receptacles.
- Referencetoothersections
SeeSection7forinformationonsafehandling.
SeeSection8forinformationonpersonalprotectionequipment.
SeeSection13fordisposalinformation.

7 Handling and storage

- Handling:
- Precautionsforsafehandling
Ensuregoodventilation/exhaustionattheworkplace.
Handlewithcare.Avoidjolting,frictionandimpact.

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·Informationaboutfire-andexplosionprotection:



Keepignitionsourcesaway-Donotsmoke.

Protectagainstelectrostaticcharges.

Flammablegas-airmixturesmayforminemptyreceptacles.

·Conditionsforsafestorage,includinganyincompatibilities

·Storage:

·Requirementstobemetbystoreroomsandreceptacles:Storeinacoollocation.

·Informationaboutstorageinonecommonstoragefacility:

Storeawayfromflammablesubstances.

·Furtherinformationaboutstorageconditions:

Keepcontainertightlysealed.

Storeincool,dryconditionsinwellsealedreceptacles.

Protectfromheatanddirectsunlight.

·Specificenduse(s)Nofurtherrelevantinformationavailable.

8Exposurecontrols/personalprotection

·Additionalinformationaboutdesignoftechnicalfacilities:

Nofurtherdata;seeitem7.

·Controlparameters

·Ingredientswithlimitvaluesthatrequiremonitoringattheworkplace:

67-63-0propan-2-ol

WELShort-termvalue:1250mg/m³,500ppm

Long-termvalue:999mg/m³,400ppm

584-84-94-methyl-m-phenylenediisocyanate

WELShort-termvalue:0.07mg/m³

Long-termvalue:0.02mg/m³

Sen;as-NCO

·Additionalinformation:The listsvalidduringthemakingwereusedasbasis.

·Exposurecontrols

·Personalprotectiveequipment:

·Generalprotectiveandhygienicmeasures:

Keepawayfromfoodstuffs,beveragesandfeed.

Washhandsbeforebreaksandattheendofwork.

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·Respiratoryprotection:



Incaseofbriefexposureorlowpollutionuserrespiratoryfilterdevice.In caseofintensiveorlongerexposureusesself-containedrespiratory protective device.

·Protectionofhands:



Protectivegloves

Theglovematerialhastobeimpermeableandresistanttothe product/the substance/the preparation.

Duetomissingtestsnorecommendationtotheglovematerialcanbegivenforthe product/the preparation/the chemical mixture.

Selectionoftheglovematerialonconsiderationofthepenetrationtimes,ratesof diffusionandthedegradation

·Materialofgloves

Theselectionofthesuitableglovesdoesnotonlydependonthematerial,butalso onfurthermarksofqualityandvariesfrommanufacturertomanufacturer.

·Penetrationtimeofglovematerial

ThedeterminedpenetrationtimesaccordingtoEN374partIIIarenotperformed underpracticalconditions.Thereforeamaximumwearingtime,whichcorresponds to50%ofthepenetrationtime,isrecommended.

·Eye protection:



Tightlysealedgoggles

·Body protection:



Protectiveworkclothing

9 Physical and chemical properties

·Informationonbasicphysicalandchemicalproperties

·GeneralInformation

·Appearance:

Form: liquid

Colour: transparent

·Odour: characteristic

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·Odourthreshold:	Notdetermined.
·pH-value:	Notdetermined.
·Changeincondition	
Meltingpoint/Meltingrange:	Notapplicable.
Boilingpoint/Boilingrange:	Notapplicable.
·Flashpoint:	Notapplicable.
·Flammability(solid,gaseous):	Notapplicable.
·Ignitiontemperature:	
Decompositiontemperature:	Notdetermined.
·Self-igniting:	Productisnotselfigniting.
·Dangerofexplosion:	Productisnotexplosive.However,formation ofexplosiveair/vapourmixturesarepossible.
·Explosionlimits:	
Lower:	Notdetermined.
Upper:	Notdetermined.
·Vapourpressure:	Notdetermined.
·Densityat20°C:	0.79g/cm ³
·Relativedensity	Notdetermined.
·Vapourdensity	Notdetermined.
·Evaporationrate	Notdetermined.
·Solubilityin/Miscibilitywith water:	Notdetermined.
·Segregationcoefficient(n-octanol/ water):	Notdetermined.
·Viscosity:	
Dynamic:	Notdetermined.
Kinematic:	Notdetermined.
·Solventcontent:	
VOC(EC)	494g/l

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10Stabilityandreactivity

- Reactivity
- Chemicalstability
- Thermaldecomposition/conditionstobeavoided:
Toavoidthermaldecompositiondonotoverheat.
Stableatenvironmenttemperature.
- PossibilityofhazardousreactionsNodangerousreactionsknown.
- ConditionstoavoidNofurtherrelevantinformationavailable.
- Incompatiblematerials:Nofurtherrelevantinformationavailable.
- Hazardousdecompositionproducts:
Nodangerousdecompositionproductsknown.

11Toxicologicalinformation

- Informationontoxicologicaleffects
- Acutetoxicity:

·LD/LC50valuesrelevantforclassification:

67-63-0propan-2-ol

Oral	LD50	5045mg/kg(rat)
Dermal	LD50	12800mg/kg(rabbit)
Inhalative	LC50/4h30mg/l(rat)	

919-30-23-aminopropyltriethoxysilane

Oral	LD50	1780mg/kg(rat)
Dermal	LD50	4000mg/kg(rabbit)

584-84-94-methyl-m-phenylenediisocyanate

Oral	LD50	5800mg/kg(rat)
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- Primaryirritanteffect:
·ontheskin:Irritanttoskinandmucousmembranes.
·ontheeye:Irritatingeffect.
- Sensitization:Sensitizationpossiblethroughinhalation.
- Additionaltoxicologicalinformation:
Theproductshowsthefollowingdangersaccordingtothecalculationmethodof
theGeneralEUClassificationGuidelinesforPreparationsasissuedinthelatest
version:Xn
- SensitisationMaycausesensitisationwheninhaled.

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12 Ecological information

- Toxicity
- Acquatictoxicity:Nofurtherrelevantinformationavailable.
- PersistenceanddegradabilityNofurtherrelevantinformationavailable.
- Behaviourinenvironmentalsystems:
- BioaccumulativepotentialNofurtherrelevantinformationavailable.
- MobilityinsoilNofurtherrelevantinformationavailable.
- ResultsofPBTandvPvBassessment
- PBT:Notapplicable.
- vPvB:Notapplicable.
- OtheradverseeffectsNofurtherrelevantinformationavailable.

13 Disposal considerations

- Wastetreatmentmethods
- Recommendation



Disposal must be made according to National Legislation.



Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.

14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 3 Flammable liquids.
- UN-Number: 1866

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·Hazardlabel: 3
·Remarks: 1866RESINSOLUTION

·MaritimetransportIMDG:



·IMDGClass: 3
·UNNumber: 1866
·Label: 3
·Packaginggroup: II
·EMSNumber: F-E,S-E
·Propershippingname:RESINSOLUTION

·AirtransportICAO-TIandIATA-DGR:



·ICAO/IATAClass: 3
·UN/IDNumber: 1866
·Label: 3
·Packaginggroup: II
·Propershippingname:RESINSOLUTION

·UN"ModelRegulation":UN1866,RESINSOLUTION
·SpecialprecautionsforuserWarning:Flammableliquids.
·TransportinbulkaccordingtoAnnexIIofMARPOL73/78andtheIBCCode
Notapplicable.

15Regulatoryinformation

·Safety,healthandenvironmentalregulations/legislationspecificforthe
substanceormixture

·LabellingaccordingtoEUguidelines:
TheproducthasbeenclassifiedandmarkedinaccordancewithEUDirectives/
OrdinanceonHazardousMaterials.

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·Codeletterandhazarddesignationofproduct:

XnHarmful
F+Highlyflammable

·Hazard-determiningcomponentsoflabelling:

4-methyl-m-phenylenediisocyanate

·Riskphrases:

- 11 Highlyflammable.
- 20 Harmfulbyinhalation.
- 36/38Irritatingtoeyesandskin.
- 42 Maycausesensitisationbyinhalation.

·Safetyphrases:

- 7/9Keepcontainertightlyclosedandinawell-ventilatedplace.
- 16 Keepawayfromsourcesofignition-Nosmoking.
- 23 Donotbreathegas/fumes/vapour/spray(appropriate wordingtobespecified bythemanufacturer).
- 24/25Avoidcontactwithskinandeyes.
- 26 Incaseofcontactwitheyes,rinseimmediatelywithplentyofwaterandseek medicaladvice.
- 33 Takeprecautionarymeasuresagainststaticdischarges.
- 43 Incaseoffire,usepowderedextinguishingagent.Neverusewater.
- 51 Useonlyinwell-ventilatedareas.

·Speciallabellingofcertainpreparations:

Containsisocyanates.Seeinformationsuppliedbythemanufacturer

·Chemicalsafetyassessment:

AChemicalSafetyAssessmenthasnotbeencarriedout.

16Otherinformation

Thisinformationisbasedonourpresentknowledge.However,thisshallnot constituteaguaranteeforanyspecificproductfeaturesandshallnotestablisha legallyvalidcontractualrelationship.

·Relevantphrases

- H225 Highlyflammableliquidandvapour.
- H302 Harmfulifswallowed.
- H314 Causessevereskinburnsandeyedamage.
- H315 Causesskinirritation.
- H317 Maycauseanallergicskinreaction.

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- H319 Causeseriousseyeirritation.
H330 Fatalifinhaled.
H334 Maycauseallergyorasthmasymptomsorbreathingdifficultiesif inhaled.
H335 Maycauserespiratoryirritation.
H336 Maycausedrowsinessordizziness.
H351 Suspectedofcausingcancer.
H412 Harmfultoaquaticlifewithlonglastingeffects.
-
- R11 Highlyflammable.
R22 Harmfulifswallowed.
R26 Verytoxicbyinhalation.
R34 Causesburns.
R36 Irritatingtoeyes.
R36/37/38Irritatingtoeyes,respiratorysystemandskin.
R40 Limitedevidenceofacarcinogeniceffect.
R42/43 Maycausesensitisationbyinhalationandskincontact.
R52/53 Harmfultoaquaticorganisms,maycauselong-termadverseeffects in theaquaticenvironment.
R67 Vapoursmaycausedrowsinessanddizziness.

·DepartmentissuingMSDS:

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·Abbreviationsandacronyms:

ADR:AccordeuropeensurletransportdesmarchandisesdangereusesparRoute(European AgreementconcerningtheInternationalCarriageofDangerousGoodsbyRoad)

RID:Règlementinternationalconcernantletransportdesmarchandisesdangereusesparchemin defer(RegulationsConcerningtheInternationalTransportofDangerousGoodsbyRail)

IMDG:InternationalMaritimeCodeforDangerousGoods

IATA:InternationalAirTransportAssociation

IATA-DGR: DangerousGoodsRegulationsbythe"InternationalAirTransportAssociation" (IATA)

ICAO:InternationalCivilAviationOrganization

ICAO-TI:TechnicalInstructionsbythe"InternationalCivilAviationOrganization"(ICAO)

GHS:GloballyHarmonizedSystemofClassificationandLabellingofChemicals

VOC:VolatileOrganicCompounds(USA,EU)

LC50:Lethalconcentration,50percent

LD50:Lethaldose,50percent