Revision 20170101-1

The revision data 18 Jan 2017 16:00PM

Printed 18 Jan 2017

Specification of data security

|  |
| --- |
| SECTION 1. Identifying elements of the substance / mixture and of the company/companies |
| 1.1. Product identifierName: FIRST NEW MATERIAL COATING VARNISH1.2. Identified the proper use of the substance or mixture and uses advisedDescription/Use VARNISH1.3. The vendor information of the specification for security: The name of the company: FIRST NEW MATERIAL TECHNOLOGY DEVELOPMENT CO., LTD. Address:NO 4 ANDING SOUTH ROAD, DAXING DISTRICT, BEIJINGTown and Country: BEIJING, CHINAE-mail: zhengxu@firstnmt.com, master@firstnmt.comSite: [www.firstnmt.com](http://www.firstnmt.com)1.4. The phone number:+86 4008 119 118 |
| SECTION 2. Hazard |
| 2.1. Classification of the substance or mixtureThe product is not classified as dangerous in accordance with the provisions referred to in Directive 67/548/EEC and 1999/45/EC (and subsequent modifications and adaptation). Product containing hazardous substances in such concentrations that require the statement to this in section 3, requires the specifications for security that contains the necessary information, in accordance with the provisions of Regulation (EC) 1907/2006 and subsequent modifications.Danger symbol: NoneRisk phrases (R): Missing2.2. Information required on the labelLabelling of danger under directives 67/548/CEE and 1999/45/CE and following amendments and modifications.Danger symbol: NoneRisk phrases (R): MissingRecommendations for precaution (S): None.Specification of safety data at the request of professional users.2.3. Other hazardsNo information |
| SECTION 3. Composition/information on ingredients |
| 3.1. SubstancesInformation is irrelevant3.2. MixContains:**Identification Conc. % Classification 67/548/СЕЕ Classification 1272/2008 (CLР)**1,2-benzisothiazol-3(2H)-one**CAS. 2634-33-5 0,01-0,02 Xn; R22, Xi R38, R41, N R50 Acute Tox. 4, H302, Eye Dam. 1, H318, Skin Irrit. 2, H315, Aquatic Acute 1, H400****EC. 220-120-9** **Index No. 613-088-00-6**5-chloro-2-methyl-4-iso- thiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)**CAS. 55965-84-9 0,001-0,002 T; R23/24/25, Xi; R43, N R50, R53 Acute Tox. 3, H301, Acute Tox. 3, H311, Acute Tox. 3, H331, Skin Sens. 1B, H317, Aquatic Acute 1, H400, Aquatic Chronic 1, H410****EC. 611-341-5** **Index No. 613-167-00-5****Note: The value more of the range is exclude****Full text of risk (R) and indications of danger (H) is given in section 16 of the specifications.**Toxic: T Irritant: Xi Harmful: Xn Dangerous for the environment: N |
| SECTION 4. First aid measures |
| 4.1. Skin exposure : Use soap and water to clean. Ask doctor if feel unwell.4.2. Eyes exposure: Flip the eyelids and clean them over 15 minutes with flow water, then ask doctor.4.3. Ingestion:If ingestion happens, go to hospital at once. |
| SECTION 5. Fire prevention |
| The material will not burn before the volatilization of water is complete. The residue can burn and when residue is buring, smoke happens.5.1.Extinguishing agentsSUITABLE EXTINGUISHING MEANS The traditional means of extinguishing: carbon dioxide, foam, powder and water spray.UNSUITABLE EXTINGUISHING MEANSSpecific means are available.5.2. Special hazards arising from the substance or mixtureThe RISK IMPACT DUE to FIRE do NOT breathe combustion products5.3.Advice for fire-fightersGENERAL INFORMATIONTo cool the containers with water jets in order to avoid decomposition of the substance and the identification of potentially hazardous substances. Always wear a complete outfit for fire protection. To collect the water used to extinguish fire that cannot be poured down the drain. To dump contaminated water used for extinguishing and the remains after the fire, in accordance with applicable standards.EQUIPMENTNormal clothing for firefighting, such as self-contained respirator with compressed air open circuit (EN 137), set for protection from the flames (EN469), gloves for protection against flame (EN 659) and boots for firefighters (HO A29 or A30). |
| SECTION 6. Measures in case of unexpected leaks |
| 6.1.Personal precautions, protective equipment and emergency procedures In the presence of vapor or dust present in the air, to use means to protect respiratory tract. These instructions apply to individuals performing treatment, and for emergency situations.6.2. Measures of environmental protectionTo avoid penetration of the substance in sewage effluents, surface, water, aquifers.6.3.Methods and material for containment and cleaningCircle the substance with earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. The landfill of the contaminated material must be in accordance with the instructions given in paragraph 13.6.4.Reference to other sectionsInformation concerning personal protection and removal to the dump, is given in sections 8 and 13. |
| SECTION 7. Moving and storage |
| 7.1.Measures for the safe movementContact with the substance, after reading all the other sections of the specification for security. Avoid the proliferation of tools in the environment. Do not smoke, eat, drink during usage.7.2.Conditions for safe storage, including any incompatibilitiesStore the substance in sealed containers and to avoid long-term high temperature storage in the condition of 2-35**℃,**Keep the tanks away from incompatible compounds, checking the work in section 10.7.3.Specific end useNo information |
| SECTION 8. Exposure controls/ personal protection |
| Given the fact that the use of adequate technical measures should have the primary role regarding personal protective equipment, ensure good ventilation at the workplace through effective local extraction.HAND PROTECTIONProtect your hands with work gloves, category I (reference Directive 89/686/EEC and standard EN 374) made of latex, PVC or equivalent. The final choice of work glove material should take into account: degradation, time of rupture and permeability. In the case of drugs it is necessary to check the stability of working gloves before use, as it is impossible to foresee. Gloves have a wear time-dependent effects.SKIN PROTECTIONWear work clothes with long sleeves and safety shoes for professional use category I (Ref Directive 89/686/EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.RESPIRATORY PROTECTIONIn case of exceeding the limit of concentration of one or more substances present in the preparation is relevant to the daily level of exposure in the work environment or to the part of established by the service of prevention and occupational safety, use facial filter, wear respirator with filter type A or universal type, whose class (1, 2 or 3) should be chosen according to the limit concentration of use (Ref standard EN 14387). The use of products for respiratory protection, such as masks of the above type, it is necessary in the absence of technical measures to limit the exposure of workers. The protection provided by masks is limited.In that case, if the substance is odourless or its olfactory threshold is above the exposure limit, or in case of emergency, i.e. when exposure levels unknown or the concentration oxygen in the workplace is below 17% by volume, it is necessary to wear self-contained respirator with compressed air open circuit (reference standard EN 137) or a respirator with external air intake for use with one-piece mask, half mask or snorkel (reference standard EN 138).EYE PROTECTIONIt is recommended to wear protective airtight goggles (Ref standard EN 166).MONITORING THE IMPACT ON THE ENVIRONMENTEmissions from production processes, including emissions from ventilation equipment, should be monitored to ensure compliance with regulations for the protection of the environment. |
| Section 9. The physical and chemical characteristics |
| 9.1. Information about the physical properties

|  |  |
| --- | --- |
| Physical condition | Liquid |
| Color | Translucent |
| Smell | Slight odor |
| PH | 6-10 |
| Freezing point | 0℃ |
| Boiling point | 100℃ |
| Point Flammability | Not applicable |
| Combustibility of solids and gases | Not applicable |
| Lower flammability limit | Not applicable |
| Upper flammability limit | Not applicable |
| Lower explosion | Not applicable |
| Upper explosion | Not applicable |
| Specific gravity | 1.0-1.1 Kg/I |
| Solubility | Soluble in water |
| Decomposition temperature | Not applicable |
| Viscosity | 10-60KU |

 |
| SECTION 10. Stability and reactivity |
| 10.1.StabilityIt is stable in the store condition of section 7.10.2. Thermal decompositionThe decomposition will not happen if comply with this specification and regulations10.3. Hazardous reactionsMoving, storage and operation are no hazardous reactions.10.4 Possibility of hazardous reactions2-(2-BUTOXYETHOXY)ETHANOL: can react with oxidising agents. May form peroxides with the oxygen in the atmosphere. In the reaction with aluminum may produce hydrogen. Can form explosive mixtures with air.10.5. Conditions to avoidAvoid contact with acid and Polyvalent metal salt.10.6. Incompatible materialsAcid and Polyvalent metal salt. |
| SECTION 11. Toxicological information |
| No known cases of harm to health due to exposure to substances. In any case, it is recommended to work with observance of rules of industrial hygiene. Have especially sensitive individuals the substance may have slight health effects following inhalation and/or absorption through the skin and/or eye contact and/or ingestion. |
| SECTION 12. Ecological information |
| To use the drug in accordance with the rules of work, leaving the drug in the environment. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.12.1.ToxicityNo information12.2 Persistence and degradabilityNo information12.3 Bioaccumulative potential**:**No information12.4. Mobility in soil Information not available12.5. Results of PBT and vPvB assessmentIn accordance with the available data the substance does not contain PBT or vPvB at a concentration exceeding 0.1%.12.6.Other adverse effectsNo information |
| SECTION 13. Notes on landfilling |
| Waste treatment Methods Possible re-use. Themselves waste products should be considered special non-hazardous waste. Disposal must be performed through an organization authorized to engage in the processing of waste compliance with national and local regulations. It is strictly forbidden to leave the substance on the ground, in the sewers or the flow of water.CONTAMINATED PACKAGINGContaminated packaging must be recovered or disposed of in accordance with national regulations on waste treatment. |
| SECTION 14. The information on transportation |
| The product is not considered hazardous according to current regulations on the transport of dangerous goods by road (A. D. R.), rail (RID), by sea (IMDG) and by plane (IATA). |
| SECTION 15. Information on the regulation |
| 15.1.Norms and legislation on health, safety and the environment for substances or mixturesCategory Seveso: MissingRestrictions related to the product or contained substances according to Annex XVII Regulation (EC) 1907/2006Ingredients: MissingSubstances in Candidate List (Article 59 REACH) : MissingSubstances subject to authorization (Annex XIV REACH) : MissingSubstances subject to registration when exporting Reg. (CE) 649/2012: MissingSubstances to be regulated under the Rotterdam Convention: MissingSubstances to be regulated under the Convention of StockholmIs no Sanitary control15.2. Chemical safety assessmentNot been made chemical safety assessment for the mixture and the substances it contains. |
| SECTION 16. Other information |
| R22:Harmful if swallowedR23/24/25: Toxic by inhalation, in contact with skin and if swallowed.R38:Irritating to skinR41:Risk of serious damage to eyesR43: May cause sensitization by skin contact.R50:Very toxic to aquatic organismsR53: May cause long-term adverse effects in aquatic environmentH411:Toxic to aquatic life with long lasting effects H410: Very toxic to aquatic life with long-lasting effectsH400:Very toxic to aquatic life with long-lasting effectsH331: Toxic if inhaledH318:Causes serious eye damageH317:May cause an allergic skin reactionH315:Causes skin irritationH311: Toxic in contact with skinH302:Harmful if swallowedH301: Toxic if swallowedLegend:ADR: European agreement for the carriage of dangerous goods by roadCAS NUMBER: Chemical abstracts Number serviceCE50: Concentration affecting 50% of the population that you are testingCE NUMBER: ID number in ESIS (European archive of existing substances)CLP: Regulation CE 1272/2008DNEL: Derived no effects levelEmS: Emergency programGHS: globally standardized system of classification and labelling of chemicalsIATA DGR: Regulations for the carriage of dangerous goods International air transportation AssociationIC50: Concentration of immobilization of 50% of the population that you are testingIMDG: international Maritime code for dangerous goodsIMO: international Maritime organizationINDEX NUMBER: Identification number of Annex VI CLPLC50: Lethal concentration 50%LD50: Lethal dose 50%OEL: exposure in the workplacePBT: a persistent, bioaccumulative and toxic according to REACHPEC: Predicted concentration in the environmentPEL: Predicted exposure levelPNEC: Predicted concentration, no interferenceREACH Regulation CE 1907/2006RID: Regulation the international transport of dangerous goods by railTLV: Threshold limit valueLIMIT VALUE TLV Concentration that should not be exceed at any time impact during operation.TWA STEL: Limit value of exposure in a short timeTWA STEL: Limit value exposure weighted averageVOC: Volatile organic compoundvPvB: Very stable, with a strong bioaccumulation according to REACHWGK: Wassergefahrdungsklassen (Deutschland)MAIN BIBLIOGRAPHY:1.Directive 1999/45/EC and subsequent modifications2.Directive 67/548/EEC and subsequent modifications and adaptation3.Regulation (EC) 1907/2006 (REACH)4. Regulation (EC) 1272/2008 (CLP)5. Regulation (EC) 790/2009 (I Atp. CLP)6. Regulation (EU) 453/20107. Regulation (EC) 286/2011 (II Atp. CLP)8. Regulation (EU) 618/2012 (III Atp. CLP)9. The Merck Index Ed. 1010. Applied chemical safety11. NIOSH - Registry of toxic effects of chemical substances12. INRS Toxicological map13. Patty - Industrial hygiene and toxicology14. N. I. Sax - Dangerous properties of industrial materials-7 Ed. 198915. Website Agency ECHAInstructions for the user:The information contained in this specification is based on data available at the time of writing the latest revision. The user is obliged to verify the completeness and compliance information for a particular ispolzovani substances. This document must not regarded as guarantee on any specific product property.The use of this product is not subject to our direct control; therefore, users must comply with the laws and the regulations in force regarding hygiene and safety, under their own responsibility. We are not responsible for the misuse.To provide the necessary training of personnel involved in working with chemicals.This specification is the first version. |