

Safety Data Sheet per OSHA HazCom 2012

| 1 dentification Product informe S-Anino-2,4-dichlorophenol Product informe S-Anino-Product informed Product Informe S-Anino-Produ | |
|---|--|
| Product name: E-Antinoc.2.4-dichlorophenol Stock name: For Moras Stock name: For Moras </td <td></td> | |
| Stock number: HishT33 Cash Number: HishT33 Cash Number: HishT34 Cash Number: HishT34 <td></td> | |
| 304467-767 WhetHilds use: SLI2F Socking is easily data shoet Manufacture Supplier: The Socking State | Stock number: H66753 |
| Petersion of the supplies of the safety data sheet Immediate Supplies: The first Supplies: The | 39489-79-7 |
| Alf-Assa Weight of the second secon | Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development |
| Alf-Assa Weight of the second secon | Details of the supplier of the safety data sheet Manufacturer/Supplier |
| Bit Part Street (a) 000-220-475 (b) 000-220-475 (c) 000-220-47 | Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. |
| First, 100-322-4/57 Windows and Section of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Stan int: Houtcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance of mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance of mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance of mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance of mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance of mixture in accordance with 20 CFR 1910 (OSHA HCS) Outcome of the substance of the substa | 30 Bond Street |
| www.efs.com www.efs.com information Department: Houth, Solety and Environmental Department Difference of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Solet of the substance or respiratory inflation. Store information of the substance or respiratory inflation. Store information of the substance or respiratory inflation. Image: Solet of the substance orespiratory inflation. <t< td=""><td>Fax: 800-322-4757</td></t<> | Fax: 800-322-4757 |
| Emergency telephone number: During individual business hours, call Carachem 24 at (866) 928-0789. 2 Harding individual business hours, call carachem 24 at (866) 928-0789. Carachem 24 at (866) 928-0789. 2 Harding individual business hours, call carachem 24 at (866) 928-0789. Carachem 24 at (866) 928-0789. 2 Harding individual business hours, call carachem 24 at (866) 928-0789. Carachem 24 at (866) 928-0789. 2 Harding individual individual individual business hours, call carachem 24 at (866) 928-0789. Carachem 24 at (866) 928-0789. 2 Harding individual indinitiation individual individual individual indinitiation indinin | www.alfa.com |
| 2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) | Emergency telephone number: |
| Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Or Display Acute Tox: 4 H302 Hammful if swallowed. Acute Tox: 4 H302 Hammful if swallowed. Acute Tox: 4 H302 Charmful if swallowed. Sho Inft: 2 H315 Causes strine specification. Per Bit: 2 H315 Causes strine specification. H335 Causes strine specification. H335 Cause strine specification. H335 Cause strine specification. H335 Cause strine. | |
| We show the Tixx 4 H302 Hammful if swallowed. Acute Tixx 4 H302 Hammful if wallowed. Acute Tixx 4 H302 Hammful if wallowed. Acute Tixx 4 H302 Hammful if inhaled. Skm Intt. 2 H315 Causes service as you inflation. Eye Int. 24 H319 Causes service as you inflation. Eye Int. 24 H319 Causes service as you inflation. Eye Int. 24 H319 Causes service as you inflation. Eye Int. 24 H319 Causes service as you inflation. Eye Int. 24 H319 Causes service as you inflation. Eye Int Eye Internetis Hammful If wallowed, incontact with skin or if inhaled. H315 Causes Skin Inflation. H316 Cause | |
| Acute Tox. 4 H302 Hamful If swallowed. Acute Tox. 4 H312 Hamful in contact with skin. Acute Tox. 4 H312 Hamful in contact with skin or if inhaled. Harards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Harards not otherwise classified not information hnown. Lebei elements Harard science and the skin or if inhaled. Harard science and the science and the skin or if inhaled. Harard science and the science and the skin or if inhaled. Harard science and the scie | |
| Acute Tox. 4 H32 Hamful in contact with skin. Acute Tox. 4 H32 Hamful in Inhaled. Skin Infl. 2 H315 Causes skin initiation. StrOT SE 3 H33 May cause respiratory initiation. May cause the strong the st | |
| Skin Imit. 2 H315 Causes skin initiation. Eye Imit. 2 H315 Causes serious eye initiation. STOT SE3 H333 May cause respiratory imitation. Hazards not otherwise classified No information known. Label elements GHS label elements GHS label elements GHS label elements Hazards not otherwise classified No information known. Label elements GHS INF GHS INF Hazards not otherwise classified No information known. Hazards not otherwise classified No information known. GHS INF GHS INF GHS INF Causes Hazards not statements Hazards not statements Hazards not statements Hazards not statements P201 Causes and a statements P203 Exercise Classified No information no finations. P204 Fination Classified No information. P205 Exercise Classified No information. P206 Classified No information. P207 Maya Statements P208 Exercise Classified No information. P209 Exercise Classif | Acute Tox. 4 H312 Harmful in contact with skin. |
| STOT SE 3 H335 May cause respiratory imitation. Hazards not otherwise classified to information known. Label elements GHS label elements for product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxard pictograms Wo GHS label elements for the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxard pictograms Wo GHS OT Signal word Warning Hazards networks M302+H312+H32 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes sense for the product in the sense sen | |
| Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) WHS GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) GHS label elements Hazerd statements Procutionary statements Post Hazerd statements Post Hazer Statement Hazer Statements P | |
| GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms GHS07 Signal word Warning Hazard pictograms H302+H312+H32L Harmful if swallowed, in contact with skin or if inhaled. H315 Causes skin inflation. H316 Causes skin inflation. H333 May cause respiratory inflation. Precautionary statements Precautionary statements P261 Avoid breathing dust/tume/gas/insit/vapours/spray. P261 Avoid breathing dust/tume/gas/insit/vapours/spray. P261 Store tordecting. P261 Store tordecting. P261 Store tordecting. P261 Store tordecting. P263 Store tordecting. P264 Store tordecting. P265 Store tordecting. P261 Store tordecting. P263 Store tordecting. P264 Store tordecting. P265 Store tordecting. P261 Store tordecting. P263 Store tordecting. P264 Store tordecting. P264 <td< td=""><td></td></td<> | |
| Signal word Warning Hazard statements Markard statements Markard statements Markard statements Markard statements Markard statements Markard statements Precautionary statements Pass Passion | GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) |
| Signal word Warning Hazard statements Markard statements Markard statements Markard statements Markard statements Markard statements Markard statements Precautionary statements Pass Passion | |
| Hazard statements ⁻ H32+132+H332 Harmful if swallowed, in contact with skin or if inhaled. H335 Causes skin irritation. H336 Causes skin irritation. Proceutionary stativeners. Performance P261 Wear protective eloking/sexprotective cloking/eye protection. P305+P351+P338 IF. IN EVES: Rines cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INFALED. Remove person to fresh air and keep comfortable for breathing. P405 Store locked up. P60 Dispose of contents/container in accordance with local/regional/national/international regulations. M185 Classification system P406 Store advertise devices for the control of the series of the series of the control of the series of the control | GHS07 |
| H302+H312+H32 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes skin intration. H316 Causes skin intration. H317 Causes skin intration. H318 May cause respiratory initiation. Precautionary statements Precautionary statements P305+P3251+P333 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INLEDE: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification system HMIS ration system HMIS rations (scale 0-4) (Hazardous Materials Identification System) Image: Part of Part Part Part Part Part Part Part Part | Signal word Warning |
| H319 Causes serious eye irritation. H325 May cause respiratory irritation. Precautionary statements Paint of the state o | H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled |
| Precautionary statements | H319 Causes serious eye irritation. |
| P305+P31 FINE PYES: Rinse cautiously with water for several minutes. Remove contact lenses, it present and easy to do. Continue rinsing. P304+P310 FINHALED Remove person to fresh air and keep comfortable for breakting. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHNIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHNIS classification international causing time diate and serious toxic effects Dispose of contents/container in accordance with local/regional/national/international regulations. WHNIS classification system Hindis ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 2 Flormability = 1 Physical Hazard = 1 Other hazards Results of PB1 and vPvB assessment PB7. Not applicable. Yeb assessment YB7. Not applicable. Substances CAST P35. Toxic material constances Casting of first aid measures GAST P35. Yeb asplicable. Substances Chemical characterization: Substances CAST Poscription: 39489-79-7 5-Amino-2, 4-dichlorophenol 4 First-aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep | Precautionary statements |
| P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. D1B - Toxic material causing immediate and serious toxic effects Dispose of contents/container in accordance with local/regional/national/international regulations. D2B - Toxic material causing immediate and serious toxic effects Dispose of contents/container in accordance with local/regional/national/international regulations. D2B - Toxic material causing immediate and serious toxic effects Dispose of contents/container in accordance with local/regional/national/international regulations. D2B - Toxic material causing immediate and serious toxic effects Dispose of contents/container in accordance with local/regional/national/international regulations. D2B - Toxic material causing immediate and serious toxic effects Dispose of contents/container in accordance with local/regional/national/international/international/internations. Provide and tification System Health (acute effects) = 2 Health (acute effects) = 2 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. YPvB: Not applicable. YPvB: Not applicable. Chemical characterization: Substances CAS# Description: 3 | P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| WHMIS classification Dife - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects D2B - Toxic materials Identification System HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Image: Description Parands Health (lacute effects) = 2 Flammability = 1 Public Hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | P405 Store locked up. |
| D2B - Toxic material causing other toxic effects | WHMIS classification |
| HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Hait Health (acute effects) = 2 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | |
| HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Hait Health (acute effects) = 2 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | |
| HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Hait Health (acute effects) = 2 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | Classification system |
| Health (acute effects) = 2 Flammability = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | HMIS ratings (scale 0-4) |
| Image: Physical Házard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | HEALTH Z Health (acute effects) = 2 |
| Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | REACTIVITY] Physical Házard = 1 |
| vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | Results of PBT and vPvB assessment |
| Chemical characterization: Substances CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures Atter inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | PBI: Not applicable. vPvB: Not applicable. |
| CAS# Description: 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | 3 Composition/information on ingredients |
| 39489-79-7 5-Amino-2,4-dichlorophenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | |
| Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | 39489-79-7 5-Amino-2,4-dichlorophenol |
| After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. | |
| Seek immediate medical advice. | After inhalation |
| (Contd on page 2) | Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. (Contd. on page 2) |

Product name: 5-Amino-2,4-dichlorophenol

| | After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. | (Contd. of page 1) | | | |
|---|--|--------------------|--|--|--|
| 5 | 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen chloride (HCI) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. | | | | |
| 6 | 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. 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 disposal information. | | | | |
| 7 | T Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storegapents. Further information about storage conditions: Keep container tightly sealed. Refrigerate Specific end use(s) No further relevant information available. | | | | |
| | 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. 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. Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all solied and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eves and at the end of work. Maintain an ergonomically appropriate working environment. Breating equipment: Use suitable rospirator when high concentrations are present. Protective gloves prior to each use for their proper condition. The selection of suitable gloves not on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Pertection of slove material (in minutes) Not determined Exposure Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Pertection of slove material (in minutes) Not determined Exposure Check protective work clothing. | | | | |
| 0 | 9 Physical and chemical properties | | | | |
| 3 | Information on basic physical and chemical properties General Information Appearance: Form: Solid Odor: Not determined | | | | |
| | | | | | |
| | pH-value: Not applicable. | (O | | | |

(Contd. on page 3)

Product name: 5-Amino-2,4-dichlorophenol

Page 3/5 Printing date 11/24/2015 Reviewed on 04/23/2014

| | | (Contd. of page 2) | | | |
|---|---|--------------------|--|--|--|
| Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting: | 133-137 °C (271-279 °F) Not determined Not determined Not determined Not determined Not determined Not determined Not determined | | | | |
| Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic: Other information | Not determined. Not determined Not determined Not applicable. Not determined. Not determined. Not applicable. Not determined Not determined. Not determined. Not determined. Not determined. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. No further relevant information available. | | | | |
| 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen chloride (HCI) | | | | | |
| 11 Toxicological information Information on toxicological effects Acute toxicity: Harmful if inhaled. Harmful if inhaled. Harmful if swallowed. Danger through skin absorption. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. | | | | | |
| 12 Ecological information Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. VPVB: Not applicable. Other adverse effects No further relevant information available. | | | | | |
| 13 Disposal considerations Waste treatment methods Recommendation Consult state, local of Uncleaned packagings: Recommendation: Disposal must be m | or national regulations to ensure proper disposal. ade according to official regulations. | | | | |
| 14 Transport information | | | | | |
| UN-Number DOT, IMDG, IATA | UN2811 | | | | |

| UN-Number DOT, IMDG, IATA | UN2811 | |
|--|---|-------|
| UN proper shipping name DOT IMDG, IATA | Toxic solids, organic, n.o.s. (5-Amino-2,4-dichlorophenol) TOXIC SOLID, ORGANIC, N.O.S. (5-Amino-2,4-dichlorophenol) | |
| | (Contd. on pa | ae 4) |

(Contd. on page 4) USA

Safety Data Sheet per OSHA HazCom 2012

| Product name: 5-Amino-2,4-dichlorophenol | | | | | |
|---|---|--|--|--|--|
| | (Contd. of page 3) | | | | |
| Transport hazard class(es) DOT | | | | | |
| | | | | | |
| | | | | | |
| Class | 6.1 Toxic substances. | | | | |
| Label Class | 6.1 6.1 (T2) Toxic substances | | | | |
| Label | 6.1 | | | | |
| IMDG, IATA | | | | | |
| $\langle * \rangle$ | | | | | |
| Class | 6.1 Toxic substances. | | | | |
| Label | 6.1 | | | | |
| Packing group DOT, IMDG, IATA | 111 | | | | |
| Environmental hazards: | Not applicable. | | | | |
| Special precautions for user EMS Number: | Warning: Toxic substances F-A,S-A | | | | |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Cod | | | | | |
| Transport/Additional information: | | | | | |
| DOT Marine Pollutant (DOT): | No | | | | |
| UN "Model Regulation": | UN2811, Toxic solids, organic, n.o.s. (5-Amino-2,4-dichlorophenol), 6.1, III | | | | |
| | | | | | |
| 15 Regulatory information | | | | | |
| Safety, health and environmental regulations/legislation specific for the su GHS label elements The product is classified and labeled in accordance with 2 | ubstance or mixture 29 CFR 1910 (OSHA HCS) | | | | |
| Hazard pictograms | | | | | |
| | | | | | |
| GHS07 | | | | | |
| | | | | | |
| Signal word Warning Hazard statements | | | | | |
| H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes skin irritation. | | | | | |
| H319 Causes serious eye irritation. H335 May cause respiratory irritation. | | | | | |
| Precautionary statements | Precautionary statements | | | | |
| P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | | | | | |
| P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. | | | | | |
| P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. | | | | | |
| National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Su | ubstances Control Act Chemical Substance Inventory. Use of this product is restricted | | | | |
| to research and development only. This product must be used by or directly un product must not be used for commercial purposes or in formulations for comm | ibstances Control Act Chemical Substance Inventory. Use of this product is restricted der the supervision of a technically qualified individual as defined by TSCA. This versial nurroses | | | | |
| This product is not listed on the Canadian Domestic Substances List (DSL) or t SARA Section 313 (specific toxic chemical listings) Substance is not listed. | he Canadian Non-Domestic Substances List (NDSL). | | | | |
| California Proposition 65 | | | | | |
| Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. | | | | | |
| Prop 65 - Developmental toxicity, female Substance is not listed. | Prop 65 - Developmental toxicity, female Substance is not listed. | | | | |
| Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified indiv Other regulations, limitations and prohibitive regulations. | viduals. | | | | |
| Substance of Very High Concern (SVHC) according to the REACH Regular | tions (EC) No. 1907/2006. Substance is not listed. The Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the | | | | |
| market and use must be observed. | | | | | |
| Substance is not listed. Annex XIV of the REACH Regulations (reguiring Authorisation for use) Substance is not listed. | | | | | |
| Chemical safety assessment: A Chemical Safety Assessment has not been of | carried out. | | | | |
| 16 Other information | | | | | |
| Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. | | | | | |
| | | | | | |
| Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - | | | | | |
| Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreemen IMDG: International Maritime Code for Dangerous Goods | t concerning the International Carriage of Dangerous Goods by Road) | | | | |
| DOT: US Department of Transportation IATA: International Air Transport Association | | | | | |
| CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHIME: Modelance Hazardous Matariale Informatics Context (Constant) | | | | | |
| Vi mino, vionpiace nazaruous materiais mormation System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent | | | | | |
| vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) | | | | | |
| ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreemen IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent UD50: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) | (Contd on norm E) | | | | |
| | (Contd. on page 5) USA | | | | |
| | | | | | |

Product name: 5-Amino-2,4-dichlorophenol

IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Page 5/5 Printing date 11/24/2015 Reviewed on 04/23/2014

(Contd. of page 4)

USA -