Revision: 25.08.2010

1 I dear file and a substance Product deals Stock number: Stock number: Product deals Stock number: Product deals Product deals Produ	Printing date 25.08.2010	Revision: 25.08.2010
Trade name 4-Antino-3-nitropyridine Stock number: L1972:00 Minufacture/Supplier: Antino-3-nitropyridine Manufacture/Supplier: Product safety Grammy Energiefy Winderstreams Product safety Grammy Information designation: Product safety Grammy Winderstreams Winderstreams Variance of the safety Grammy Winderstreams Variance of the safety Gramma of the safety Grammy of the safety Gramy of the safety Grammy of the safety Gramy of the safety Gramm	1 Identification of substance	
Stock number: L19725 Manufacture/supplier: Assure Grob4 5 Co KG Proving department: Product active Common Enderstand Proving department: Enderstand Product active Common 21 Azards Identification Product active Common Proving department: Product active Common 10 formal of enderstand common Product active Common 10 formal of e	Product details	
Manufacturer/Supplier: Abs Asset Gene 14 Co. KG Department: E-mail goal (insuffice, com aww.allow.elements.com Information pertaining topartment: Control (internation) Control (internation) 2 Heards Identification Reserved (internation) Reserved (internation) 3 Heards Identification Reserved (internation) Reserved (internation) 4 First allow designation: Reserved (internation) Reserved (internation) 5 Heards Identification Reserved (internation) Reserved (internation) 6 Hold Identification Reserved (internation) Reserved (internation) 7 Hondition (internation) Reserved (internation) Reserved (internation) 8 Internation Reserved (internation) Reserved (internation) 9 Composition/Information on ingreedients Sector (internation) Reserved (internation) 9 Composition/Information on ingreedients Sector (internation) Sector (internation) 9 Composition/Information on ingreedients Coll (internation) Sector (internation) 9 Composition/Information Sector (internation) Sector (internati		
Bornges (Construction) Bornges (Constru		
Interruption department: Product safety department: Control interruption Control Main: 2 Hzards identification Product safety department: Control interruption Control Main: 2 Hzards identification Product safety department: Control interruption Control Main: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2 Hzards identification Product safety department: Product safety department: 2	Manutacturer/Supplier:	Benzstrasse 3 E-mail: gcat@matthey.com
Emergency information: Other product of information Query Protect Main: work global out-main.c. 2 Hazard signalization: Important out-main.c. Important out-main.c. Anard designation: Important out-main.c. Important out-main.c. OHS bade demonts Important out-main.c. Important out-main.c. Out-possition/Information on Impredemonts Important out-main.c. Important out-main.c. Storage: Provention: Important out-main.c. Important out-main.c. Storage: Provention: Provention: Important out-main.c. Storage: Provention: Provention: Provention: Important out-main.c. Storage: Provention: Provention: Provention: Provention: Storage: Provention: Provention: Provention: Provention: Storage: Provention: Provention: Provention: Provention:	to favor in a stan pater pate.	D-76185 Karlsruhe / Germany www.alfa-chemcat.com
2 Hazards identification Heard designation: Xh Hamful Ximmation particular designation: 2 Hazards identification Heards in and environment OFM label elements Ximmatic Xi		Giftnotruf Universität Mainz / Poison Information Center Mainz
Hazard designation: Image: An Hamful Information pertaining to particular danger or man and environment Image: An Hamful GMS table dements Image: An Hamful Prevention: Prevention: Prevention: Supply fresh air: if required provide antificial respirator. Keep patient warm. Consult doctor. Prevention: Superpire: Supply fresh air: if required previde anti		
Xn Harrill X		
OHS label elements R 203738 Initiating to eyes, respiratory system and skin. OHS label elements Prevention: Response: Prevention: Response: Prevention: Provention: Prevention: Provention: Provention: Provention: Provention: Provention: Response: Prevention: Provent	Hazard designation:	Xn Harmful
OHS label elements R 203738 Initiating to eyes, respiratory system and skin. OHS label elements Prevention: Response: Prevention: Response: Prevention: Provention: Prevention: Provention: Provention: Provention: Provention: Provention: Response: Prevention: Provent	Information pertaining to particular dangers	
GHS label elements Wraning H3D - Harming is walkeved. H3D - Harming is walkeved.	for man and environment	
Prevention:	GHS label elements	
H315 - Gausse skin infration: H335 - Way cause serving infration: Prevention: P351 Avoid breaking dust/time/gas/misk/apoung/outwati/. Prevention: P351 Avoid breaking dust/time/gas/misk/apoung/outwati/. P351 Avoid breaking dust/time/gas/misk/apoung/outwati/. P351 Avoid breaking dust/time/gas/misk/apoung/outwati/. P351 Disposed in the P455 Avoid breaking dust of the several munutes. Remove contact lenses, if present and casy to do. Continue triang. P351 Disposed in the Avoid of the several munutes. Remove contact lenses, if present and casy to do. Continue triang. P351 Disposed in the Avoid of the Avoid of the Several munutes. Remove contact lenses, if present and casy to do. Continue triang. P351 Disposed in the Avoid of the Avoid of the Several munutes. Remove contact lenses, if present and casy to do. Continue triang. P351 Disposed in the Avoid of the Avoid of the Avoid of the Several munutes. Remove contact lenses, if previous and the Avoid of the Several munutes. Remove contact lenses, if previous and the Avoid of the Several munutes. Remove contact lenses, if previous and the Avoid of the Several munutes. Remove contact lenses, if an oscitation and the Avoid of the Several munutes. Remove contact lenses. After se since contact Supply fresh at: if required, provide artificial respiration. Keep patient warm. Consult doctor. After se since advoid of the several munutes. Remove contact lenses. Color breaking apparatus. Protective equipment: Color breakeed advoid.		\checkmark
Prevention: P335 - May cause respiratory initiation. Response: P335 - May cause respiratory initiation. Response: P335 - May cause respiratory initiation. Procession: P335 - May cause respiratory initiation. Storage: P336 - P338 IF IN EYES: Finase causiously with water for several minutes. Remove contact lenses, if P336 - P338 IF IN EYES: Finase causiously with water for several minutes. Remove contact lenses, if P336 - May contained on ingredients: Chemical characterization: Amino-3-mitropyridine (CAS# 1681-37-4): 100%. 4 First aid measures After inhalation Surge: Surge in the several minutes in accordance with local/regional/international/international regulations. After skin contact Supply feeh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms paried. After skin contact Seek immediate medical advice. Subtable oxitiguishing agents system immediate medical advice. Seek immediate medical advice. Subtable oxitiguishing agents system immediate medical advice. Cone treased in case of fire: Case released in case of fire: Case relea		H315 - Causes skin irritation.
Prevention: P261 Avoid breating dustituting dustitution dusteredustitutine dustitution dustitutine dustitution duste		11225 May aques respirétory irritation
Storage: P405 Stora locked up. Pisposi: P300 Dispose of contents/container in accordance with locat/regional/national/international regulations. 3 Composition/Information on ingredients Composition/Information on ingredients Designation: (CAS9) 4-Amino-3-nitropyndine (CAS8 1681-37-4): 100% 4 First aid measures Atter inhalation Atter inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms between the acting advice. 5 Fire fighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant toam. Subble extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant toam. Fire fighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant toam. Subble extinguishing agents CO2, extinguishing apparatus. Protective equipment: Ware protective equipment (kep unprotected persons away. Measures for environmental protections: De not allow material to be released to the environment without proper governmental permits. Begoed of containers lightly sealed. Store monoxide and choce. Fire fighting in about storage Keep containers lightly sealed. Madditional information		P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
Storage: P405 Stora locked up. Pisposi: P300 Dispose of contents/container in accordance with locat/regional/national/international regulations. 3 Composition/Information on ingredients Composition/Information on ingredients Designation: (CAS9) 4-Amino-3-nitropyndine (CAS8 1681-37-4): 100% 4 First aid measures Atter inhalation Atter inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms between the acting advice. 5 Fire fighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant toam. Subble extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant toam. Fire fighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant toam. Subble extinguishing agents CO2, extinguishing apparatus. Protective equipment: Ware protective equipment (kep unprotected persons away. Measures for environmental protections: De not allow material to be released to the environment without proper governmental permits. Begoed of containers lightly sealed. Store monoxide and choce. Fire fighting in about storage Keep containers lightly sealed. Madditional information	Response.	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
Disposal: P601 Dispose of contents/container in accordance with local/regional/national/international regulations. 3 Composition/information on ingredients Chemical characterization: 4-Amino-3-nitropyridine (CAS# 1681-37-4): 100%. 4 First aid measures After inhalation Supply fresh air. If required, provide articial regiration. Keep patient warm. Consult doctor if symptoms persist. After skin contact Supply fresh air. If required, provide articial regiration. Keep patient warm. Consult doctor. After skin contact See infinited are medical advice. After skin contact See infinited are medical advice. After skin contact See infinited are medical advice. Solutable extinguishing agents Special hazards caused by the material, its products of combustion of the gases: CO2, extinguishing provder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Accidental release measures Wear protective equipment. Wear protective equipment. Keep unprotected persons away. Ensure adquarkee vertilistion and allow material to be released to the second mit to thore or progresmmental permits. Do not allow material to be released to the workplace. Measures for environmental protection: Measures for environmental protection: See Section 13 for information on disposel. Near protective equipment. See Section 13 for information on disposel. 7 Handling and storage Marching and storage information about protection against containers: information about storage conditi		
Chemical characterization: 4-Amino-3-nitropyridine (CAS# 1681-37-4): 100% 4 First aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms generat. After skin contact Special. Special. Special. Protective equipment: Wear protein/sequipment. Keep unprotected persons away. Special. Measures for cleaning/collecting: <td< td=""><td>Storage: Disposal:</td><td>P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</td></td<>	Storage: Disposal:	P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Chemical characterization: 4-Amino-3-nitropyridine (CAS# 1681-37-4): 100% 4 First aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms generat. After skin contact Special. Special. Special. Protective equipment: Wear protein/sequipment. Keep unprotected persons away. Special. Measures for cleaning/collecting: <td< td=""><td>3 Composition/information on ingredient</td><td>8</td></td<>	3 Composition/information on ingredient	8
4 First aid measures After inhalation After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms parist, mediate medical advice, instaintly washer medical advice. After skin contact Supply fresh air. If required advice, instaintly washer medical advice. After skindowing Seek immediate medical advice. Sopial hazards caused by the material, its products of combustion of flue gases: CO2, extinguishing age status advice. Suitable extinguishing age mets special hazards caused by the material, its products of combustion of flue gases: CO2, extinguishing apparatus. Protective equipment: Wear protective suit water into the one of the environment without proper governmental permits. Bescenting and storage Wear protective equipment. Keep unprotected persons away. Bescenting and storage Wear protective equipment. Keep unprotected persons away. Cont allow material to be intermation on personal protection equipment. See Section 13 to information on personal protection equipment. Additional information for safe handling: Keep containated material as waste scoring to ken 13. Information about protection against explosions and fire: Store in cool. dry gaset. Brossel containsed material is highly cosed containers. Store in cool. dry conditions in workplace. Keep containere tightly sealed. Sto	Chemical characterization:	
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms perisit. After skin contact Instantly wash with water and scop and insee thoroughly. After reve contact Rime opened eve for several minutes under running water. Then consult doctor. Statistic wash with water and scop and insee thoroughly. Rime opened eve for several minutes under running water. Then consult doctor. Statistic wash with water and scop and insee thoroughly. Rime opened eve for several minutes under running water. Then consult doctor. Statistic wash with water and scop and insee thoroughly. Rime opened eve for several minutes under running water. Then consult doctor. Statistic wash with water and scop and insee thoroughly. Rime opened eve for several minutes under running water. Then consult doctor. Statistic wash with water and scop and insee thoroughly. Rime opened eve for several minutes under running water. Then consult doctor. Statistic wash with water and scop and insee thoroughly. Co2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Core term information all protections and portections. Core and sele and income dow information dock (ROX) Measures for cleaning/collecting: Year protective equipment. Keep unprotected persons away. Additional information about protection against Keep containers tightly selead. Informa	Designation: (CAS#)	4-Amino-3-nitropyridine (CAS# 1681-37-4): 100%
After skin contact periesit. After skin contact Seek immediate medical advice. Seek immediate medical advice. Seek immediate medical advice. Seek immediate medical advice. Seek immediate medical advice. Strate extinguishing agents Scalable extinguishing agents Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Carbon movide and carbon dioxide Carbon movide and carbon dioxide Protective equipment: Wear protective equipment. Keep unprotected persons away. Farse of environmental protection: Wear protective equipment. Keep unprotected persons away. Measures for environmental protection: Do not allow material to be released to the environment without proper governmental permits. Measures for environmental protecting: Do not allow material to be released. Additional information: See Section 7 for information on agents according to term 3. See section 7 for information on personal protection equipment. See section 13 for information on disposal. 7 Handling and storage Keep containers tightly sealed. Store in cool, dry place in tightly cosed containers. Information about storage in one common personal protection Store in cool, dry place in tightly cosed containers. Store in	4 First aid measures	
After skin contact Seek immediate medical advice. Instantly wash with water and scop and rinse thoroughly. After swindlowing Since opened eye for several minutes under running water. Then consult doctor. 5 Fire fighting measures Suitable extinguishing agents special hazards caused by the material, its products of combustion of flue gases: protective equipment: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 6 Accidental release measures Cortain information about software Wear self-contained breathing apparatus. Wear self-contained breathing apparatus. 6 Accidental release measures Vear protective equipment. Wear full protective suit. Do not allow software 6 Accidental release measures Vear protective equipment. Wear full protective suit. Do not allow software 7 Handling and storage Vear protective equipment. See Section 7 for information on elsosal protective suit. See Section 13 for information on elsosal software 7 Handling and storage Keep containers tightly sealed. Storage facility: Further information about storage Keep containers tightly sealed. Storage software 8 Exposure controls and personal protection and information about storage conditions: No special requirements. Storage facility: Further information about design of technola systems: 8 Exposure controls and personal protection working a the workplace: conditions: Property operating chemical fume hood designed for hazardous chemicals and having an average face velocity of a least 10 for emprovements. Storage software information	After inhalation	
After eye contact After swallowing Seek inimediate medical advice. Stree fighting measures Stable skinguishing agents Suitable skinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Special hazards caused by the subscript CO2, extinguishing apents Special hazards caused by the subscript CO2, extinguishing apents Protective equipment: CO2, extinguishing apparatus. Wear raid-contained breathing apparatus. Wear raid-contained breathing apparatus. Wear raid-contained breathing apparatus. Wear raid-contained breathing apparatus. Measures for environmental protection: Derotective equipment. Measures for elawing/collecting: Derotective equipment. Additional information: See Section 13 for information on safe handling best octant index according to item 13. Additional information for safe handling: Keep containers tightly sealed. Information for safe handling: Store in cool, dry place in tightly collect in equipments. Storage containers: Store in cool, dry place in tightly sealed. Storage facility: Store in cool, dry clace in tightly collect in equipments. Storage facility: Store in cool, dry clace in tightly caled. Storage facility: Store	A Star - I	Seek immediate medical advice.
After sivallowing Seek inimediate medical advice. 5 Fire fighting measures Suitable extinguishing agents Special hazards caused by the material, its products of combustion of lue gases: Protective equipment: C2. extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. an be released in case of fire: Order Ward protective equipment: C4 Accidental release measures Person-related safety precautions: Measures for environmental protection: See Section 13 for information on base according to item 13. Ensure adequate ventilation. See Section 13 for information on personal protection equipment. See section 13 for information on base some and the environment. Information about storage in one common storage facility: Further information about storage in one common storage facility: Store in cool, dty class in type and the sealed. Store in cool, dty class in type sealed. Store in cool, dty class in type sealed. Store in cool, dty class in type sealed. Store in cool, dty conditions in well sealed containers.		Seek immediate medical advice.
Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Special hazards caused by the material, its products of combustion of flue gases: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Protective equipment: Wear self-containted breathing apparatus. Wear self-containted breathing apparatus. Wear self-containted breathing apparatus. Measures for environmental protection: Mear self-containted breathing apparatus. Measures for environmental protection: Dispose of containnated material as waste according to item 13. Fusure adequate ventilation. See Section 7 for information on personal profection equipment. See Section 7 for information on self-handling See Section 7 for information on personal profection equipment. See Section 7 for information on personal profection equipment. See Section 7 for information on personal profection equipment. See section 8 for information on besch Keep containers tightly closed containers. Information about protection against explosions and fires: Keep containers tightly closed containers. Store in cool, dry place in tightly sealed. Store in cool, dry place in tightly closed containers. Information about storage in one common storage facility: Properly operating chemical fume hood designed for hazardous chemicals and having an average		
Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Special hazards caused by the material, its products of combustion of flue gases: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Can be released in case of fire: Carbo released in case of fire: Carbo releated safety precautions: Wear safe carbon dixvide Measures for environmental protection: Mear up protective equipment. Keep upprotected persons away. Preson-related safety precautions: Mear safe carbon dixvide Additional information: See Section 7 for information on personal protection equipment. See Section 7 for information on safe handling: Keep containers tightly sealed. Information about protection against explosions and fires: Keep containers tightly closed containers. Storage Requirements. No special requirements. Information about storage in one common storage facility: No special requirements. Robustion al information about storage in one common storage facility: Properly operating chemical funct hood designed for hazardous chemicals and having an average face velocity of at least 100 feel per minute. Components with critical values that requirements: Properly operating chemical fune hood designed for hazardous chemicals and having an average face velocity of at least 100 feel per min	5 Fire fighting measures	
products of combustion or flue gases: Can be released in case of fire: Carbon monoxid and carbon dioxide Nitrogen oxides (NCX) Wear full protective suit. 6 Accidental release measures Wear full protective equipment. Keep unprotected persons away. Ensures for elvinonmental protection: Measures for cleaning/collecting: Additional information: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Additional information: Do not allow material to be released to the environment without proper governmental permits. Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation. See Section 7 to information on safe handling See section 8 for information on safe handling See section 13 for information on safe handling information for safe handling: Information about protection against explosions and fires: Storage Requirements to be met by storerooms and containers: Information about storage in one common storage faility: Further information about storage conditions: No special requirements. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Ensure adequate ventilation. 8 Exposure controls and personal protection technical systems: No special requirements. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and personal protection monoxid agents: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of a least 100 feet per minute		CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Carbon monoxide and carbon dixide Notesting Notesting Protective equipment: Wear self-contained breathing apparatus. Wear self-contained breathing apparatus. Wear self-contained breathing apparatus. Ø Accidental release measures Person-related safety precations: Person-related safety precations: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Measures for cleaning/collecting: Do not allow material to be released to the environment without proper governmental permits. Additional information: See Section 7 for information on personal protection equipment. See Section 13 for information on personal protection equipment. See Section 14 (protection equipment. Storage Requirements: Keep containers tightly sealed. Information about protection against explosions and fires: No special requirements. Storage in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Store away from oxidizing agents. Keep container sightly conditions in well sealed containers. Store away from oxidizing agents. Store in cool, dry conditions in well sealed containers. 8 Exposure co	Special hazards caused by the material, its products of combustion or flue gases;	
Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit. 6 Accidental release measures Person-related safety precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Do not allow material to be released to the environment without proper governmental permits. Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation. See Section 7 for information on safe handling See section 8 for information on safe handling See section 13 for information on safe handling See section 13 for information on disposal. 7 Handling and storage Handling Information about protection against explosions and fires: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. 8 torage conditions: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. 8 Exposure controls and personal protection additional information about storage conditions: No special requirements. 8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: No required. No data Personal protective equipment General protective equipment General protective equipment General protective equipment General protective and hygienic measures No required. No	producto el centraction el	Carbon monoxide and carbon dioxide
6 Accidental release measures Person-related safety precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Do not allow material to be released to the environment without proper governmental permits. Disorce adequate ventilation. See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 1 for information on disposal. 7 Handling and storage Handling Information about protection against explosions and fires: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure adequate ventilation. See section 1 for information on disposal. 8 torage Requirements to be met by storerooms and Information about storage conditions: No special requirements. Storage facility: Further information about storage conditions: No special requirements. Store away from oxidizing agents. Keep containers in well sealed containers. Storage facility: Further information about storage conditions: 8 Exposure controls and personal protection Additional information about storage conditions: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. No required. No data 9 Exposure controls and personal protection Additional information about storage continential information about design of technical systems: No required. No required. No data 9 Prospent with critical values that require moniforing at the workplace: Additional information envapiance: additional information about design of technical systems: No required. No traduiter. No data	Protective equipment:	Wear self-contained breathing apparatus.
Person-related safety precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate venifiation Measures for environmental protection: Measures for cleaning/collecting: Wear protective equipment. Keep unprotected persons away. Ensure adequate venifiation Additional information: Dispose of contaminated material as be released to the environment without proper governmental permits. Dispose of contaminated material as waste according to item 13. See Section 7.0 information on safe handling See Section 7.0 information on personal protection equipment. See Section 7.0 information on disposal. 7 Handling and storage Handling Information about protection against explosions and fires: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. No special requirements: Information about storage in one common storage facility: No special requirements. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and personal protection Additional information about storage conditions: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. 8 Exposure controls and personal protection components with critical values that require monforing at the workplace: monforing at the workplace interval monforing at the workplace interval monforing at the workplace interval monforing at the workplace intity removes and food. No data <th< td=""><td></td><td></td></th<>		
Measures for environmental protection: Measures for cleaning/collecting: Additional information: Ensuré adequate vérifitation Dispose of contaminated material as waste according to item 13. Ensure adequate verifitation. See Section 7 for information on personal protection equipment. See Section 13 for information on disposal. 7 Handling and storage Handling Information for safe handling: Store in cool. dry place in tightly sealed. Store in cool. dry place in tightly closed containers. Ensure adequate verifitation. See Section 13 for information at the workplace. Information about protection against explosions and fires: Storage conditions: Keep containers tightly sealed. Store in cool. dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Storage conditions: Keep containers tightly sealed. Store away from oxidizing agents. Keep container tightly sealed. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and personal protection Additional information: montoring at the workplace: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. No datia Personal protective equipment General protective equipment Gener		We assure to other a protected to the termination of the property of the property of the property of the protected to the property of the protected to the prot
Measures for cleaning/collecting: Dispose of contaminated material as waste according to item 13. Additional information: See Section 7 for information on personal protection equipment. See Section 13 for information on personal protection against explosions and fires: Keep containers tightly sealed. Information about protection against explosions and fires: Keep containers tightly closed containers. Storage Ensure adde venilation/exhaustion at the workplace. No special requirements to be met by storerooms and containers: No special requirements. Information about storage conditions: Store in cool, dry conditions in well sealed containers. Storage Facility: Store away from oxidizing agents. Keep container tightly sealed. Store away from oxidizing agents. Keep container tightly sealed. Store away from oxidizing agents. Further information about storage conditions: Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and personal protection Additional information about design of technical systems: Components with critical values that require montoring at the workplace: Not required. No data Personal protective and hygienic measures The usual precautionary measures should be adhered to in handl		Ensure adequate ventilation
Additional information: Ensure adequate ventiliation. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal. 7 Handling and storage Handling Information for safe handling: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage conditions: No special requirements. Store in cool, dry conditions in well sealed containers. Bexposure controls and personal protection additional information about design of technical systems: No special requiremental fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Components with critical values that require monitoring at the workplace: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Personal protective equipment General protective equipment General protective equipment General protective equipment General protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantiv remove any solied and impromation. <td>Measures for environmental protection: Measures for cleaning/collecting:</td> <td>Do not allow material to be released to the environment without proper governmental permits. Dispose of contaminated material as waste according to item 13.</td>	Measures for environmental protection: Measures for cleaning/collecting:	Do not allow material to be released to the environment without proper governmental permits. Dispose of contaminated material as waste according to item 13.
See section 8 for information on personal protection equipment. See Section 13 for information on disposal. 7 Handling Information for safe handling: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Store in cool, dry conditions in well sealed containers. 8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: Additional information: Not required. Not required. Not required. Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantive remove any solied and imprendented and imprendented.		Ensure adequate ventilation.
7 Handling Information for safe handling: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Store in cool, dry conditions in well sealed containers. 8 Exposure controls and personal protection Additional information: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Components with critical values that require monitoring at the workplace: No required. No trequired. No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodsulfy, beverages and food. Instantly remove any socied and impregnated dargements.		See section 8 for information on personal protection equipment.
Handling Information for safe handling: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Further information about storage conditions: No special requirements. Store oncluster tightly sealed. Store in cool, dry conditions in well sealed containers. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store away from oxidizing agents. & Exposure controls and 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. Components with critical values that require monitoring at the workplace: Additional information: Not required. No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnanets.		
Information for safe handling: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: Keep ignition sources away - Do not smoke. Information about storage in one common storage facility: Further information about storage conditions: No special requirements. Store in cool, dry conditions in well sealed. Store in cool, dry conditions in well sealed containers. Store away from oxidizing agents. <i>Keep container tightly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Components with critical values that require monitoring at the workplace: Additional information: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. No data No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any solied and impremated garments. </i>		
Information about protection against explosions and fires: Ensure good ventilation/exhaustion at the workplace. No special requirements to be met by storerooms and containers: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and personal protection Additional information about design of technical systems: Components with critical values that require monitoring at the workplace: No required. Additional information: No data Personal protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. The usual precautionary measures should be adhered to in handling the chemicals.		Keep containers tightly sealed.
explosions and fires: Keep ignition sources away - Do not smoke. Storage Requirements to be met by storerooms and containers: Information about storage in one common storage facility: Further information about storage conditions: No special requirements. Further information about storage conditions: Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: Additional information: Not required. Not required. Not atta Personal protective equipment General protective and hygienic measures and protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodStuffs, beverages and food. Instantly remove any solied and impregnated garments.		Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace.
Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Store away from oxidizing agents. <i>Rep container tightly sealed</i> . Store in cool, dry conditions in well sealed containers. Store away from oxidizing agents. <i>Rep controls and personal protection</i> 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. Components with critical values that require monitoring at the workplace: Additional information: Not required. No data Personal protective equipment General protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any solied and impregnated agreents.	Information about protection against explosions and fires:	Keep ignition sources away - Do not smoke.
containers: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: Not required. Additional information: Not data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any solid and impregnated garments.	Storage	
storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. store in cool, dry conditions in well sealed containers. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: Not required. Additional information: Not required. No data The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments.	containers:	No special requirements.
conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. 8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: Additional information: Not required. Not required. No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any solied and impreorated garments.	storage facility:	Store away from oxidizing agents.
8 Exposure controls and 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. Components with critical values that require monitoring at the workplace: Not required. Additional information: No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments.		Keep container tightly sealed.
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. Components with critical values that require monitoring at the workplace: Not required. Additional information: No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated oarments.		Store in cool, dry conditions in well sealed containers.
technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Components with critical values that require monitoring at the workplace: Not required. Additional information: No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantify remove any soiled and imprendated oarments.		tion
Components with critical values that require monitoring at the workplace: Not required. Additional information: No data Personal protective equipment General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. The usual precautionary measures should be adhered to in handling the chemicals.		Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity
monitoring at the workplace: Not required. Additional information: No data Personal protective equipment The usual precautionary measures should be adhered to in handling the chemicals. General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Instantly remove any soiled and impregnated garments. Instantly remove any soiled and impregnated garments.		
Additional information: No data Personal protective equipment The usual precautionary measures should be adhered to in handling the chemicals. General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments.	monitoring at the workplace:	Not required.
General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments.	Additional information:	No data
Instantly remove any soiled and impregnated garments.	General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals.
(Conto. of page 2) - GB		Instantly remove any soiled and impregnated garments.
		(Conto. on page 2) GB

	according to 1907/2006/EC, Article 31	
Printing date 25.08.2010		Revision: 25.08.2010
Trade name 4-Amino-3-nitropyridine		
Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material	Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also and varies from manufacturer to manufacturer. Impervious gloves Not determined	(Contd. of page 1) o on further marks of quality
Eye protection: Body protection:	Safety glasses Face protection Protective work clothing.	
9 Physical and chemical properties:		
General Information		
Form: Colour: Smell:	Powder Yellow Not determined	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	202-204°C Not determined Not determined	
Flash point:	Not applicable	
Ignition temperature: Decomposition temperature:	Not determined Not determined	
Danger of explosion:	Product is not explosive.	
Critical values for explosion: Lower: Upper:	Not determined Not determined	
Steam pressure:	Not determined	
Density Solubility in (Missibility with	Not determined	
Solubility in / Miscibility with Water:	Insoluble	
10 Stability and reactivity Thermal decomposition / conditions to be avoided: Materials to be avoided: Dangerous reactions: Dangerous products of decomposition:	No decomposition if used and stored according to specifications. Oxidizing agents No dangerous reactions known Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)	
11 Toxicological information Acute toxicity: Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information:	Irritant for skin and mucous membranes. Irritant effect. No sensitizing effect known. To the best of our knowledge the acute and chronic toxicity of this substance is not No classification data on carcinogenic properties of this material is available from th or ACGIH.	t fully known. he EPA, IARC, NTP, OSHA
12 Ecological information: Additional ecological information: General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water Do not allow material to be released to the environment without proper government	r bodies or sewage system. ital permits.
13 Disposal considerations Product: Recommendation	Consult state, local or national regulations for proper disposal. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.	
Uncleaned packagings: Recommendation:	Disposal must be made according to official regulations.	
14 Transport information Land transport ADR/RID and GGVS/GGVE (c ADR/RID-GGVS/E Class:		
ADR/RID-GGVS/E Class: Maritime transport IMDG/GGVSea: IMDG/GGVSea Class: Marine pollutant:	None None No	
Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class:	None	
Transport/Additional information:	Not dangerous according to the above specifications.	
15 Regulatory information Designation according to EC guidelines: Code letter and hazard designation of product:	Xn Harmful	
Risk phrases:	22 Harmful if swallowed. 36/37/38 Irritating to eyes, respiratory system and skin.	(Contd. on page 3
		GB -

GB ____

according to 1907/2006/EC, Article 31		
Printing date 25.08.2010	Revision: 25.08.2010	
Trade name 4-Amino-3-nitropyridine		
Safety phrases: National regulations	(Contd. of page 2) 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37 Wear suitable protective clothing and gloves.	
Information about limitation of use:	For use only by technically qualified individuals. Employment restrictions concerning young persons must be observed.	
Water hazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.	
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 data specification sheet: Health, Safety and Environmental Department. Zachariah Holt Zachariah Holt Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Rad) RD: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Maritime Code for Dangerous Goods by Rad) MAC: International Maritime Code Sort Regulations by the "International Air Transport Association" IAAD: International Abstracts Service (division of the Abstracts Service (division of the Abstracts Service (division of the American Chemical Society)		
	CAS: Chemical Abstracts Service (division of the American Chemical Society)	