

1,2-Difluorobenzene Safety Data Sheet 1600302 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/07/2016 Version: 1.0

| 1.1. Identification Product form Substance name : 1.2-Diffuorobenzene CAS No : 367-11-3 Product code : 1800-3-02 Formula : CBH4F2 Other means of identification : MECD00000284 1.2. Relevant Identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Laboratory chemicals SynCute Laboratories, Inc. PO, Dox 309 PO, Dox 309 Rachua, F1, 28615 - United States of America T.3. Details of the supplier of the safety data sheet Specific research and development SynCute Laboratories, Inc. PO, Dox 309 PO, Dox 309 Rachua, F1, 28615 - United States of America T.3. Details of the supplier of the safety data sheet Specific research and development SynCute Laboratories, Inc. PO, Dox 309 PO, Dox 309 Rachua, F1, 28615 - United States of America T.3. Details for United States of America T(36) 462-0767 Intergency number : (B44) 523-4086 (3E Company - Account 10069) SECTION 12: Hazard (Spi Identification Eastincation of the substance or mbiture Classification of the substance series and in a dina vapour Actua is a statementin (GHS-US | SECTION 1: Identification | |
|--|---|---|
| Substance name : 1 2-014/usordenzene CAS No : 307-11-3 Product code : 307-11-3 Product code : 1000-3-02 Formula : C6H4F2 COher mane of identified uses of the substance or mixture and uses advised against 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.3 Details of the supplier of the safety data sheet SynCuser Laboratories, Inc. ProD. Box 309 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 Abchus, F1, 32615 - United States of America Tragel 442-078 - F1380 442-078 F107 24 H225 - Highly flammable liquid and vapour SECTION 2: Hazard(s) Identification ETTI H2 - H225 - Highly flammable liquid and vapour SECTION 2: Hazard (S) Identification F101 H23 - Harnbul i Intalad Marka Into A (Inhalation H333 - Harnbul i Intalad F11 H25 - Highly flammable liquid and vapour SECTION 2: Hazard (SHS-US) F11 H25 - H25 - H25 - H25 - H25 - H27 Signal word (GHS-US) F12 - Label elements ETTI H25 - H27 - H225 - H27 + H27 - H27 + H2 | 1.1. Identification | |
| CAS No : $: 967.11-3$ Product code : $: 1600-3.02$ Formula : $: CCH4F2$ Dher means of identification : $: MFCD0000284$ 1.2. Relevant identified uses of the substance or mixture and uses advised against Las of the substance/mixture : $: Laboratory chemicals Manufacture of substances Scientific research and development 1.3. Details of the supplier of the safety data sheet SynCuset Laboratories, Inc. PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States of America PO Box 309 Macuta FL 32615 - United States or Instructor 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard (9) Identification 2.2. Label John Hasse - Harmful if Inhaled Bixin Int. 2 H225 - Highly flammable liquid and vapour Autor Tox 4 (Inhalation) H332 - Harmful if Inhaled Bixin Int. 2 H315 - Causes sections ey eritration FTO TS F3 + H335 - May cause respiratory irritation FTO TS F3 + H335 - May cause respiratory irritation H332 - Harmful If Inhaled H333 - May cause respiratory irritation H332 - Harmful If Inhaled P140 - Gauses section are respiratory irritation H332 - Harmful If Inhaled P240 - Groundbond container and receiving equipment P242 - 14 Use explosion-proof electral/evination/fighting equipment P242 - Wash skin throughly after heading P243 - Take prevalinge vinders area P240 - Groundbond container and receiving equipment P242 - Wash skin throughly fight environ/face protection P244 - Wash skin throughly fight environ/face protection P244 - Wash skin $ | Product form | : Substance |
| Product code::1600-3-02Formula::CGH4F2Der means of identification::MFCD00002841.2Relevant identified uses of the substance or mixture and uses advised againstLase of the substance/mixture::Laboratory chamicals Manufacture of substances Seleratific research and development1.3Details of the supplier of the safety data sheetSynQuest Laboratorins, Inc.ProB. Des 309Nachus, FL 32615 - United States of America (108) 442-0785 - F (38) 442-0787 Inf@ Synquestidats.com - New Synquestidats.com1.4.4Energency telephone numberEmergency number:(844) 523-4086 (38 Company - Account 10069)SECTION 21 Hazard(5) identification2.1.1Cassification of the substance or mixtureClassification of the substance or mixtureClassification of Les 4000 (184-000)STOT SE 3H335 - May cause respiratory initiation STOT SE 3Full text of H-phrases::Stor SE 3H335 - May cause respiratory initiation H332 - Harmul i finabed Stor SE 3Signal word (0HS-US):Full text of H-phrases::Signal word (0HS-US):Precautionary statements (CHS-US):Precautionary statements (CHS-US):Precautionary statements (CHS-US):Precautionary statements (CHS-US):Precautionary statements (CHS-US):Precautionary statements (CHS-US)Precautionary statements (CHS-US):Precautionary statements (CHS-US) | Substance name | : 1,2-Difluorobenzene |
| Formula : C8H4F2 Deter means of identification : IMFCD00000284 Jacobia Minimum : IMFCD00000284 Jacobia Minimum : Laboratory chemicals Scientific research and development 1.2. Relevant identified uses of the substance or mixture of substances Scientific research and development 1.3. Details of the supplier of the safety data sheet SynOuset Laboratories, Inc. PO, Box 300 Auchus, PL 32615 - United States of America T (386) 422-0783 - F (386) 422-7097 Info21synOuset Laboratories, Inc. PO, Box 309 Auchus, PL 32615 - United States of America T (386) 422-0783 - F (386) 422-7097 Info21synOuset Laboratories, Inc. SECTION 2: Hazaro(s) Identification of mixture Classification of the substance or mixture Classification of the substa | CAS No | : 367-11-3 |
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| Determens of identifications : IMECD0000284 1.2. Relevant identified uses of the substance or muture and uses advised against Jae of the substance/muture : Laboratory chemicals Manufacture of substances Scientific research and development 1.3. Details of the supplier of the safety data sheet YnQuest Laboratories, Inc. '>0. Box 300 Wachu, FL 32615 - United States of America (1986) 442-0785 + 7 (88) 442-0787 YnQuestlabs.com - www.svnquestlabs.com Hoft Synquestlabs.com - www.svnquestlabs.com Hoft Synquestlabs.com - www.svnquestlabs.com Hoft Synquestlabs.com - www.svnquestlabs.com 1.4. Emergency number : (84) 523-4086 (3E Company - Account 10069) EDETION 2: H222rd (5) Identification Immediate in the substance or mixture Datassification of the substance or mixture Datassification (GHS-US) 2.1. Classification of the substance or mixture Datassification (GHS-US) 3.3. Hard Multi inhaled Sign Intr. 2, H225. Highly flammable liquid and vapour Vactor Tox 4 (Inhalation) H332. Harmful if inhaled Sign Intr. 2, H319. Causes serious eya initation STOT SE 3 3.3. Up classification (GHS-US) : Up classification (GHS-US) 3.4. Label elements 2.5. Label elements 2.6. Label elements 2.7. Label elements 3.8. Horizon (GHS-US) : H225. Highly flammable liquid and vapour H335. Harmful in inhaled H335. Harmful in inhaled H | Formula | |
| Jae of the substance/mixture :: Laboratory chemicals Manufacture of substances Scientific research and development 3.1 Details of the supplier of the safety data sheet SynOutes Laboratories, Inc. 20. Box 200 Manufacture 21, 22615 - United States of America 1068 synQuestlaboratories, Inc. 20. Box 200 Machan, E1, 22615 - United States of America 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1068 synQuestlabor, come with the supplier of the safety data sheet 1070 States = 1000 (GHS-US) 1080 with the states = 1000 (GHS-US) 1080 with the safety data sheet or mixture 1080 with the safety data sheet or mixture sheet or mixture 1080 with safety data sheet or mixture 1080 with safety data sheet or mixture sheet or mixture 1080 with safety data sheet or mixture sheet or mixture 1080 with safety data sheet or mixture | | |
| Ase of the substance/mixture : Laboratory chemicals Manufacture of substances Scientific research and development 3. Details of the supplier of the safety data sheet SynOuset Laboratories, Inc. '20, Box 309 YoLaw 1, 22615 - United States of America (368) 462-0789 - F (368) 462-7087 (168) synOuest Laboratories, Inc. '20, Box 309 4.4 Emergency telephone number ::rinergency number : (844) 523-4086 (3E Company - Account 10069) :SECTION 2: Hazard(5) Identification 1.4. Classification of the substance or mixture :Lassification (GHS-US) :iam, La, 2 H229 - Highly liammable liquid and vapour wate Tox 4, H0181 - Causes stori irritation time and the substance are espiratory irritation time and the substance are espiratory irritation time and the substance see section 16 :2.2 Labol elements HS4S-US labeling : tazard pictograms (GHS-US) : :4 : : :4016 - Causes section : : :4122 - Highly liammable liquid and vapour water tox 4 pictograms (GHS-US) : :4234 - Biole of ements : :4245 - Stabeling : :4234 - Biole of ements : :4325 - Haroling i inbaled : | 2 Pelevant identified uses of the sub | stance or mixture and uses advised against |
| Nanufacture of substances Scientific research and development 13. Details of the supplier of the safety data sheet SynQuest Laboratories, Inc. 20. Box 309 Nachua, FL 32615 - United States of America (1986) 462-0785 - F1369 (42-0787 Mr0/Bynquestlabs.com - ywww.synquestlabs.com 1.4. Emergency telephone number Emergency number :::::::::::::::::::::::::::::::::::: | | 5 |
| SynQuest Laboratories, Inc. P.O. Box 309 Machua, FL 22615 - United States of America f (386) 462-0783 - F (386) 462-7097 f (386) 462-0783 - F (386) 462-7097 ind @synquestables.com - www.synquestables.com L4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 21. Classification of the substance or mixture Classification (GHS-US) Film, Liq, 2, H225 - Highly flammable liquid and vapour Acute Tox. 4 (Inhalation) H332 - Harmful if inhaled Skin Inti. 2, H315 - Causes serious eye irritation Stor JE 3 H335 - May causes respiratory irritation Full text of H-phrases: see section 16 22. Label elements GHS-US is belong Hazard pictograms (GHS-US) Fignal word (GHS-US) | | Manufacture of substances |
| ² O. Box 309 Nachua, F. 2361 - United States of America T (386) 462-7097 T (386) 462-7098 - F (386) 462-7097 T (38 | 1.3. Details of the supplier of the safety | data sheet |
| Emergency number: (844) 523-4086 (3E Company - Account 10069)SECTION 2: Hazard(s) identification2.1 Classification of the substance or mixtureClassification (GHS-US)Flam. Liq. 2 Acute Tox. 4 (Inhalation)H225 - Highly flammable liquid and vapour Acute Tox. 4 (Inhalation)Flam. Liq. 2 Serie Int. 2H235 - Hagney flammable liquid and vapour Acute Tox. 4 (Inhalation)Flam. Liq. 2 Serie Int. 2H335 - Causes serious eye irritation BTOT SE 3Full text of H-phrases: see section 162.2. Label elementsGHS-US GHS-USI Signal word (GHS-US)Highly flammable input for the substance or mixturePierrit 25 - Highly flammable input for the substance or mixtureCauses string to grave serie serie colspan="2">Signal word (GHS-US)I Signal word (GHS-US)Highly flammable input for the substance or mixturePierceCauses string the substance or mixturePierceSignal word (GHS-US)I Signal word (GHS-US)I PagerHazard statements (GHS-US)I PiercePiercePiercePiercePiercePiercePiercePiercePiercePiercePiercePierce </td <td>P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097</td> <td><u>)m</u></td> | P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 | <u>)m</u> |
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| Classification (GHS-US) Flam. Liq. 2 Acute Tox. 4 (Inhalation) H322 - Harmful if inhaled Skin Irit. 2 H315 - Causes skin iritration Eye Irit. 2A H319 - Causes serious eye irritation STOT SE 3 H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling +azard pictograms (GHS-US) : Giggal word (GHS-US) : Signal word (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapor H335 - May cause respiratory irritation | | |
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| GHS-US labeling Hazard pictograms (GHS-US) : | i un text of H-prilases. see section 10 | |
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| P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rins skin with water/shower | Precautionary statements (GHS-US) | P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P261 - Avoid breathing fumes, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection |

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| | | P305 lense P312 P321 P332 P337 P362 P370 P403 P403 P403 P405 | P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish P403+P233 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant | | | |
|------------|---|---|---|-------------------|--|--|
| 2.3. | Other hazards | | | | | |
| No addit | ional information available | | | | | |
| 2.4. | Unknown acute toxicity (GHS U | S) | | | | |
| Not appl | licable | | | | | |
| SECTI | ON 3: Composition/inform | ation on in | gredients | | | |
| 3.1. | Substance | | | | | |
| Substan | ce type | : Mono | o-constituent | | | |
| Name | | | Product identifier | % | Classification (GHS-US) | |
| (Main cor | | | (CAS No) 367-11-3 | <= 100 | Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 | |
| Full text | of H-phrases: see section 16 | | | | | |
| 3.2. | Mixture | | | | | |
| Not appl | licable | | | | | |
| SECTI | ON 4: First aid measures | | | | | |
| 4.1. | Description of first aid measure | S | | | | |
| First-aid | measures general | | se of accident or if you feel unwell, seek e possible). Move the affected personnel | | | |
| | measures after inhalation | respii | ove person to fresh air and keep comforta ration. Get immediate medical advice/atte | ention. | | |
| | measures after skin contact | | with plenty of soap and water. Get imm | | | |
| | measures after eye contact | prese | ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get | immediate med | ical advice/attention. | |
| First-aid | measures after ingestion | | OT induce vomiting. Never give anything h out with water. Get immediate medical | | | |
| 4.2. | Most important symptoms and | | | | | |
| Sympton | ymptoms/injuries : The most important known symptoms and effects are described in the labelling (see see 2.2) and/or in section 11. | | ed in the labelling (see section | | | |
| 4.3. | Indication of any immediate me | dical attentio | n and special treatment needed | | | |
| Treat sy | mptomatically. | | | | | |
| SECTI | ON 5: Firefighting measure | es | | | | |
| 5.1. | Extinguishing media | | | | | |
| Suitable | extinguishing media | | ol resistant foam. Carbon dioxide. Dry popriate for surrounding fire. | owder. Water sp | oray. Use extinguishing media | |
| 5.2. | Special hazards arising from the | e substance o | or mixture | | | |
| Fire haza | ard | : Therr | nal decomposition generates: Carbon ox | ides. Hydrogen | fluoride. | |
| Explosio | n hazard | | of explosion if heated under confinement iners. May form flammable/explosive va | | ay or fog for cooling exposed | |
| 5.3. | Advice for firefighters | | | | | |
| Firefighti | ing instructions | : In cas | se of fire: Evacuate area. Fight fire remot | ely due to the ri | sk of explosion. | |
| Protectic | on during firefighting | | gas tight chemically protective clothing i ratus. For further information refer to sec | | | |
| 12/06/201 | 16 | EN (Enç | glish US) | SDS ID: 1600302 | 2/7 | |
| | | | | | | |

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| SECTION 6: Accidental release measures | | | | |
|--|---|--|--|--|
| 6.1. Personal precautions, protective equipment and emergency procedures | | | | |
| General measures | : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray. | | | |
| 6.1.1. For non-emergency personnel | | | | |
| Emergency procedures | : Only qualified personnel equipped with suitable protective equipment may intervene. | | | |
| 6.1.2. For emergency responders | | | | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". | | | |
| Emergency procedures | : Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition. | | | |
| 6.2. Environmental precautions | | | | |
| Avoid release to the environment. Notify authoritie | es if product enters sewers or public waters. | | | |
| 6.3. Methods and material for containmer | nt and cleaning up | | | |
| For containment | : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. | | | |
| Methods for cleaning up | : Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area. | | | |
| Other information | : For disposal of solid materials or residues refer to section 13 : "Disposal considerations". | | | |
| 6.4. Reference to other sections | | | | |
| No additional information available | | | | |
| SECTION 7: Handling and storage | | | | |
| 7.1. Precautions for safe handling | | | | |
| Additional hazards when processed | : Handle empty containers with care because residual vapors are flammable. | | | |
| Precautions for safe handling | : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. | | | |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. | | | |
| 7.2. Conditions for safe storage, including any incompatibilities | | | | |
| Technical measures | : Comply with applicable regulations. | | | |
| Storage conditions | : Keep container closed when not in use. Keep away from ignition sources. | | | |
| Incompatible materials | : Refer to Section 10 on Incompatible Materials. | | | |
| Storage area | : Store in dry, cool, well-ventilated area. | | | |
| | | | | |

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

| 8.2. Exposure controls | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Hand protection | : Protective gloves. 29 CFR 1910.138: Hand Protection. |
| Eye protection | : Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. |
| Other information | : Safety shoes. 29 CFR 1910.136: Foot Protection. |
| | |

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| | l properties |
|---|--|
| 9.1. Information on basic physical and | I chemical properties |
| Physical state | : Liquid |
| Color | : No data available |
| Odor | : No data available |
| Odor threshold | : No data available |
| рН | : No data available |
| Melting point | : -34 °C |
| Freezing point | : No data available |
| Boiling point | : 92 °C |
| Flash point | : 1 °C |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific gravity / density | : 1.15 g/ml (@ 25 °C) |
| Molecular mass | : 114.09 g/mol |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| | : No data available |
| VICCORITY KINOMOTIC | |
| Viscosity, kinematic | |
| Viscosity, dynamic | : No data available |
| Viscosity, dynamic 9.2. Other information | : No data available |
| Viscosity, dynamic 9.2. Other information | |
| Viscosity, dynamic 9.2. Other information Refractive index | : No data available : 1.45 (@ 20 °C) |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivit | : No data available : 1.45 (@ 20 °C) |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivit 10.1. Reactivity | : No data available : 1.45 (@ 20 °C) |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available | : No data available : 1.45 (@ 20 °C) |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available 10.2. Chemical stability | : No data available : 1.45 (@ 20 °C) |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivit 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s | : No data available : 1.45 (@ 20 °C) y torage conditions. |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions | : No data available : 1.45 (@ 20 °C) y torage conditions. |
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| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivit 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions No additional information available 10.4. Conditions to avoid | : No data available : 1.45 (@ 20 °C) y torage conditions. |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions No additional information available 10.4. Conditions to avoid Keep away from heat, sparks and flame. | : No data available : 1.45 (@ 20 °C) y torage conditions. |
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| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivit 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions No additional information available 10.4. Conditions to avoid Keep away from heat, sparks and flame. 10.5. Incompatible materials Strong oxidizing agents. | : No data available : 1.45 (@ 20 °C) y torage conditions. |
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| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions No additional information available 10.4. Conditions to avoid Keep away from heat, sparks and flame. 10.5. Incompatible materials Strong oxidizing agents. 10.6. Hazardous decomposition produc Under normal conditions of storage and use, h fire, see Section 5. SECTION 11: Toxicological information 11.1. Information on toxicological effection | No data available 1.45 (@ 20 °C) Ay torage conditions. to a state of the s |
| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivit 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions No additional information available 10.4. Conditions to avoid Keep away from heat, sparks and flame. 10.5. Incompatible materials Strong oxidizing agents. 10.6. Hazardous decomposition product Under normal conditions of storage and use, h fire, see Section 5. SECTION 11: Toxicological information | : No data available : 1.45 (@ 20 °C) y torage conditions. |
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| Viscosity, dynamic 9.2. Other information Refractive index SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available 10.2. Chemical stability The product is stable at normal handling and s 10.3. Possibility of hazardous reactions No additional information available 10.4. Conditions to avoid Keep away from heat, sparks and flame. 10.5. Incompatible materials Strong oxidizing agents. 10.6. Hazardous decomposition produce Under normal conditions of storage and use, h fire, see Section 5. SECTION 11: Toxicological information 11.1. Information on toxicological effect Acute toxicity | No data available 1.45 (@ 20 °C) torage conditions. tas azardous decomposition products should not be produced. Hazardous decomposition products in case of ation ts inhalation: Harmful if inhaled. |

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| Respiratory or skin sensitization | : Not classified |
|---|---|
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity Specific target organ toxicity (single exposure) | : Not classified : May cause respiratory irritation. |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |

| SECT | ION 12: Ecological information | | | |
|-------------------------------------|--------------------------------|--|--|--|
| 12.1. | Toxicity | | | |
| No additional information available | | | | |
| 12.2. | Persistence and degradability | | | |
| No addi | tional information available | | | |
| 12.3. | Bioaccumulative potential | | | |
| No addi | tional information available | | | |
| 12.4. | Mobility in soil | | | |
| No addi | tional information available | | | |
| 12.5. | Other adverse effects | | | |
| No addit | tional information available | | | |

| SECTION 13: Disposal considerations | | | | | |
|-------------------------------------|---|--|--|--|--|
| 13.1. Waste treatment methods | | | | | |
| Waste treatment methods | : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. | | | | |
| Waste disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions. | | | | |
| Additional information | : Recycle the material as far as possible. | | | | |
| | | | | | |

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Transport document description

UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

Packing group (DOT) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Symbols

- : UN1993 Flammable liquids, n.o.s., 3, II
- : UN1993
- : Flammable liquids, n.o.s.
- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : 3 Flammable liquid



- : II Medium Danger
- : 202
- : 242
- : G Identifies PSN requiring a technical name

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| DOT Special Provisions (49 CFR 172.102) | : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal | | |
|---|--|----------------------------|--|
| | TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a$ (tr - tf) Where: tr is the maximum mean bulk temperature in transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used with the flash point of the hazardous material transported is greater than 0 C (32 F). TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used with the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. | ature /hen d dous | |
| DOT Packaging Exceptions (49 CFR 173.xxx) | 150 | | |
| DOT Quantity Limitations Passenger aircraft/rail 49 CFR 173.27) | | | |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | 60 L | | |
| DOT Vessel Stowage Location | B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 2 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck onl passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of th section is exceeded. | y" or | |
| Other information | No supplementary information available. | | |
| DG | | | |
| No additional information available | | | |
| ransport by sea | | | |
| JN-No. (IMDG) | 1993 | | |
| roper Shipping Name (IMDG) | FLAMMABLE LIQUID, N.O.S. | | |
| class (IMDG) | 3 - Flammable liquids | | |
| Packing group (IMDG) : II - substances presenting medium danger | | | |
| Air transport | | | |
| IN-No. (IATA) | 1993 | | |
| roper Shipping Name (IATA) | Flammable liquid, n.o.s. | | |
| lass (IATA) | 3 - Flammable Liquids | | |
| acking group (IATA) | II - Medium Danger | | |
| ECTION 15: Regulatory information | | | |
| 5.1. US Federal regulations | | | |
| All components of this product are listed, or exc Substances Control Act (TSCA) inventory except | ded from listing, on the United States Environmental Protection Agency Toxic for: | | |
| 1,2-Difluorobenzene | CAS No 367-11-3 100% | | |
| | nemical or chemicals in excess of the applicable de minimis concentration as specified in 40 ents of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 198 | | |
| 15.2. International regulations | | | |
| CANADA | | | |
| 1,2-Difluorobenzene (367-11-3) | | | |

| 1,2-Difluorobenzene (367-11-3) | |
|--------------------------------|---------------------------------------|
| WHMIS Classification | Class B Division 2 - Flammable Liquid |
| | |

EU-Regulations

No additional information available

National regulations

1,2-Difluorobenzene (367-11-3)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

| | Acute Tox. 4 (Inhalation) | | Acute toxicity (inhalation) Category 4 |
|---------|---|--|--|
| | Eye Irrit. 2A | | Serious eye damage/eye irritation Category 2A |
| | Flam. Liq. 2 | | Flammable liquids Category 2 |
| | Skin Irrit. 2 | | Skin corrosion/irritation Category 2 |
| | STOT SE 3 | | Specific target organ toxicity (single exposure) Category 3 |
| | H225 | | Highly flammable liquid and vapor |
| | H315 | | Causes skin irritation |
| | H319 | | Causes serious eye irritation |
| | H332 | | Harmful if inhaled |
| | H335 | | May cause respiratory irritation |
| NFPA f | nealth hazard ire hazard reactivity | given. : 3 - Liquids and solids that ambient conditions. | h prompt medical attention was can be ignited under almost all under fire exposure conditions, |
| HMIS I | II Rating | | |
| Health | | : 3 Serious Hazard - Majo given | or injury likely unless prompt action is taken and medical treatment is |
| Flamma | ability | conditions. Includes flam | ials capable of ignition under almost all normal temperature mable liquids with flash points below 73 F and boiling points above with flash points between 73 F and 100 F. (Classes IB & IC) |
| Physica | al | | rials that are normally stable, even under fire conditions, and will NOT ize, decompose, condense, or self-react. Non-Explosives. |

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.