

# SAFETY DATA SHEET

Europe:001-703-527-3887

Creation Date 23-Oct-2010	7 Revision Number 2			
	1. Identification			
Product Name	6-Pyrrolidin-1-ylpyridine-2-ca	bonitrile		
Cat No. : CC38016DA; CC38016DE; CC38016R3; CC38016ZZ				
Synonyms	No information available			
Recommended Use	Laboratory chemicals.			
Uses advised against No Information available Details of the supplier of the safety data sheet				
<b>Company</b> Maybridge Thermo Fisher Scientific Bishop Meadow Rd Loughborough, Leicestershire, Grea LE115RG	<b>Entity / Business Name</b> Maybridge One Reagent Lane Fair Lawn, NJ 07410 at Britain	Emergency Telephone Number For information US call: 001-800-ACROS-01 / Europe call: +32 14 57 52 11 Emergency Number US:001-201-796-7100 / Europe: +32 14 57 52 99 CHEMTREC Tel. No.US:001-800-424-9300 /		

# 2. Hazard(s) identification

# Classification

Tel: 01509 231166

Website: www.maybridge.com

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity
Acute dermal toxicity
Acute Inhalation Toxicity - Dusts and Mists
Skin Corrosion/irritation
Serious Eye Damage/Eye Irritation
Specific target organ toxicity (single exposure)
Target Organs - Respiratory system.

### Label Elements

Signal Word Warning

### **Hazard Statements**

Harmful if swallowed Harmful in contact with skin Causes skin irritation Causes serious eye irritation Harmful if inhaled May cause respiratory irritation Category 4 Category 4 Category 4 Category 2 Category 2 Category 3



#### Precautionary Statements Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

### Skin

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor/physician if you feel unwell

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

## Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

#### Rinse mouth

## Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

# Disposal

Dispose of contents/container to an approved waste disposal plant Hazards not otherwise classified (HNOC)

None identified

# 3. Composition / information on ingredients

Component	CAS-No	Weight %
6-Pyrrolidin-1-ylpyridine-2-carbonitrile	160017-13-0	>95

4. First-aid measures		
General Advice	If symptoms persist, call a physician.	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.	
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.	
Inhalation	Move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.	
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.	

Most important symptoms/effects	Ν
Notes to Physician	Т

None reasonably foreseeable. Treat symptomatically

	5. Fire-fighting	measures	
Suitable Extinguishing Media	v	istant foam, dry chemical or ca	rbon dioxide.
Unsuitable Extinguishing Media	No information available		
Flash Point Method -	No information available No information available		
Autoignition Temperature Explosion Limits Upper	No information available No data available		
Lower Sensitivity to Mechanical Impac Sensitivity to Static Discharge	No data available		
Specific Hazards Arising from the C Keep product and empty container aw		nition.	
Hazardous Combustion Products Nitrogen oxides (NOx) Carbon monox Protective Equipment and Precaution As in any fire, wear self-contained bre protective gear.	ons for Firefighters		d or equivalent) and full
NFPA Health 2	Flammability 1	Instability 0	Physical hazards N/A
	6. Accidental rele	ase measures	
Personal Precautions Environmental Precautions		Use personal protective equip	ment. Avoid dust formation.
	Ensure adequate ventilation. Should not be released into t	Use personal protective equip he environment. age and collect in suitable con	
Environmental Precautions Methods for Containment and Clear	Ensure adequate ventilation. Should not be released into t n Sweep up or vacuum up spill	Use personal protective equip he environment. age and collect in suitable con r disposal.	
Environmental Precautions Methods for Containment and Clear	Ensure adequate ventilation. Should not be released into t n Sweep up or vacuum up spill suitable, closed containers fo 7. Handling ar Do not get in eyes, on skin, o	Use personal protective equip he environment. age and collect in suitable con r disposal.	tainer for disposal. Keep in
Environmental Precautions Methods for Containment and Clear Up	Ensure adequate ventilation. Should not be released into t n Sweep up or vacuum up spill suitable, closed containers fo <u>7. Handling ar</u> Do not get in eyes, on skin, o adequate ventilation. Avoid in	Use personal protective equip he environment. age and collect in suitable con r disposal. nd storage or on clothing. Wear personal p	tainer for disposal. Keep in rotective equipment. Ensure dust formation.
Environmental Precautions Methods for Containment and Clear Up Handling Storage	Ensure adequate ventilation. Should not be released into t n Sweep up or vacuum up spill suitable, closed containers fo <u>7. Handling ar</u> Do not get in eyes, on skin, o adequate ventilation. Avoid in	Use personal protective equip he environment. age and collect in suitable con or disposal. nd storage or on clothing. Wear personal p ngestion and inhalation. Avoid d in a dry, cool and well-ventila	tainer for disposal. Keep in rotective equipment. Ensure dust formation. ated place.
Environmental Precautions Methods for Containment and Clear Up Handling Storage	Ensure adequate ventilation. Should not be released into t n Sweep up or vacuum up spill suitable, closed containers fo <u>7. Handling an</u> Do not get in eyes, on skin, o adequate ventilation. Avoid in Keep containers tightly close	Use personal protective equip he environment. age and collect in suitable con or disposal. nd storage or on clothing. Wear personal p ngestion and inhalation. Avoid d in a dry, cool and well-ventila personal protection of any hazardous materials with	tainer for disposal. Keep in rotective equipment. Ensure dust formation. ated place.
Environmental Precautions Methods for Containment and Clear Up Handling Storage 8. Ex	Ensure adequate ventilation. Should not be released into t n Sweep up or vacuum up spill suitable, closed containers for 7. Handling an Do not get in eyes, on skin, o adequate ventilation. Avoid ir Keep containers tightly close xposure controls / This product does not contain limitsestablished by the regio	Use personal protective equip he environment. age and collect in suitable con or disposal. nd storage or on clothing. Wear personal p ngestion and inhalation. Avoid d in a dry, cool and well-ventila personal protection n any hazardous materials with n specific regulatory bodies.	tainer for disposal. Keep in rotective equipment. Ensure dust formation. ated place.
Environmental Precautions Methods for Containment and Clear Up Handling Storage <u>8. Exposure Guidelines</u>	Ensure adequate ventilation. Should not be released into t in Sweep up or vacuum up spill suitable, closed containers for 7. Handling an Do not get in eyes, on skin, of adequate ventilation. Avoid in Keep containers tightly close XPOSURE CONTROLS / This product does not contain limitsestablished by the region Ensure adequate ventilation, and safety showers are close	Use personal protective equip he environment. age and collect in suitable con or disposal. nd storage or on clothing. Wear personal p ngestion and inhalation. Avoid d in a dry, cool and well-ventila personal protection n any hazardous materials with n specific regulatory bodies.	tainer for disposal. Keep in rotective equipment. Ensure dust formation. ated place.

	OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Long sleeved clothing.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

# 9. Physical and chemical properties

Physical State	Solid
Appearance	Yellow
Odor	No information available
Odor Threshold	No information available
pH	No information available
Melting Point/Range	73 - 74 °C / 163.4 - 165.2 °F
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C10 H11 N3
Molecular Weight	173.22

# 10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Strong oxidizing agents, Strong acids, Strong bases
Hazardous Decomposition Product	<b>s</b> Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )
Hazardous Polymerization	No information available.
Hazardous Reactions	None under normal processing.

# 11. Toxicological information

# Acute Toxicity

Product Information Component Information Toxicologically Synergistic Products

No information available

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	No information available
Sensitization	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico		
6-Pyrrolidin-1-ylpyridin e-2-carbonitrile	160017-13-0	Not listed	Not listed	Not listed	Not listed	Not listed		
Mutagenic Effects		No information available						
Reproductive Effects		No information available.						
Developmental Effe	cts	No information available.						
Teratogenicity		No information ava	ailable.					
STOT - single expos STOT - repeated ex		Respiratory system None known						
Aspiration hazard		No information ava	ailable					
Symptoms / effects delayed	,both acute and	d No information available						
Endocrine Disrupto	r Information	No information available						
Other Adverse Effects		The toxicological properties have not been fully investigated.						
		12. Ecol	ogical infor	mation				
Ecotoxicity Do not empty into dra	ains.							
Persistence and De	gradability	No information ava	ailable					
Bioaccumulation/ A	ccumulation	on No information available.						
Mobility		No information available.						
		13. Dispo	sal conside	erations				
Waste Disposal Met	hods	hazardous waste.	Chemical waste g	ermine whether a c generators must als s to ensure comple	o consult local, re	gional, and		

	14. Transport information
DOT	Not regulated
DOT TDG IATA	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
	15. Regulatory information

All of the components in the product are on the following Inventory lists: X = listed

International Inventories

Legend:

X - Listed

- E Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
- F Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)	Not applicable
SARA 313	Not applicable
SARA 311/312 Hazard Categories Acute Health Hazard Chronic Health Hazard Fire Hazard Sudden Release of Pressure H Reactive Hazard	Yes No No azard No No
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA Occupational Safety and Health Administration Not applicable	
CERCLA Not applicable	
California Proposition 65	This product does not contain any Proposition 65 chemicals
U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation	
Reportable Quantity (RQ): DOT Marine Pollutant DOT Severe Marine Pollutant	N N N
U.S. Department of Homeland Security This product does not contain any DHS chemicals.	
Other International Regulations	
Mexico - Grade	No information available
Canada This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR	
WHMIS Hazard Class	D1B Toxic materials

D2B Toxic materials



# 16. Other information

Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com

Creation Date Revision Date Print Date Revision Summary 23-Oct-2010 09-Mar-2017 09-Mar-2017 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

### Disclaimer

Prepared By

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of SDS**