

Revision: 07/03/2018

		andian to Demulation (EQ) No. 4007/0000	(EC) No. 4070/0000
		cording to Regulation (EC) No. 1907/2006 as amended by	
	Section 1.	Identification of the Substance/Mixture and of the	ne Company/Undertaking
.1	Product Code:	11587	
	Product Name:	NVP-BKM120	
	Synonyms:	5-(2,6-di-4-morpholinyl-4-pyrimidinyl)-4-(trifluo	
.2	Relevant identified uses of	of the substance or mixture and uses advised ag	ainst:
	Relevant identified uses	For research use only, not for human or vetering	nary use.
.3	Details of the Supplier of	the Safety Data Sheet:	
	Company Name:	Cayman Chemical Company	
		1180 E. Ellsworth Rd.	
	Web site address.	Ann Arbor, MI 48108	
	Web site address: Information:	www.caymanchem.com	1 (724)074 2225
		Cayman Chemical Company	+1 (734)971-3335
.4	Emergency telephone nu		4 (222) 424 2222
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300
			+1 (703)527-3887
		Section 2. Hazards Identific	ation
2.1	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity		
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T	ategory 3 r, Category 2	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T	ategory 3 r, Category 2	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements:	ategory 3 7, Category 2 Foxicity (repeated exposure), Category 1	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word:	ategory 3 c, Category 2 Foxicity (repeated exposure), Category 1 Danger	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of cause	ategory 3 , Category 2 Toxicity (repeated exposure), Category 1 Danger	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of cause	ategory 3 c, Category 2 Foxicity (repeated exposure), Category 1 Danger	ated exposure.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger	ated exposure.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor	Ategory 3 a, Category 2 Foxicity (repeated exposure), Category 1 Danger	ated exposure.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor P201: Obtain special inst	Ategory 3 a, Category 2 Foxicity (repeated exposure), Category 1 Danger	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of causs H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thom P201: Obtain special inst P202: Do not handle until	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger	
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	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of causs H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thom P201: Obtain special inst P202: Do not handle until P281: Use personal prote P260: Do not breathe {du	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger Danger	
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of cause H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor P201: Obtain special inst P202: Do not handle until P281: Use personal prote P260: Do not breathe {du GHS Response Phrases	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger	bod.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor P201: Obtain special inst P202: Do not handle until P281: Use personal prote P260: Do not breathe {du GHS Response Phrases P301+310: IF SWALLOW	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger Danger	bod.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor P201: Obtain special inst P202: Do not handle until P281: Use personal prote P260: Do not breathe {du GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth.	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger	bod.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor P201: Obtain special inst P202: Do not handle until P281: Use personal prote P260: Do not breathe {du GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. P308+313: IF exposed of	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger	bod.
	Acute Toxicity: Oral, Ca Germ Cell Mutagenicity Specific Target Organ T Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed H341: Suspected of caus H372: Causes damage to GHS Precaution Phrase P264: Wash {hands} thor P201: Obtain special inst P202: Do not handle until P281: Use personal prote P260: Do not breathe {du GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. P308+313: IF exposed of	Ategory 3 a, Category 2 Toxicity (repeated exposure), Category 1 Danger	bod.

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			various organs} thro	uah prolonaed or	
2.3 Adverse Human Health Effects and Symptoms:		Causes damage to organs {various organs} through prolonged or repeated exposure. Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation or skin absorption. May cause eye, skin, or respiratory system irritation. Suspected of causing genetic defects. Toxic if swallowed. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.			
	Sec	tion 3. Composition	/Information	on Ingredie	nts
			Concentration	EC No./ EC Index No.	GHS Classification
96-07-0	NVP-BKM120		100.0 %	805-442-5 NA	Acute Tox.(O) 3: H301 Mutagen 2: H341 STOT (RE) 1: H372
	•	Section 4. Fi	rst Aid Meas	ures	
In Case In Case In Case	of Inhalation: of Skin Contact: of Eye Contact:	Get immediate medical attent Immediately wash skin with s clothing. Get medical attentio Hold eyelids apart and flush e and tested by medical person Wash out mouth with water p	tion. oap and plenty of w n if symptoms occu eyes with plenty of v nnel. rovided person is co	vater for at least 20 r. Wash clothing b vater for at least 2 onscious. Never g	D minutes. Remove contaminat before reuse. 10 minutes. Have eyes examine ive anything by mouth to an
		Section 5. Fire	Fighting Me	asures	
Media:		Use water spray to cool fire-e	exposed containers.	-	l spray.
Hazards Flash P Explosi	s: Pt: ive Limits:	ndNo data available. No data available. No data. LEL: No data. No data.	UEL: No d	ata.	
Fire Fig	yhting Instruction	-	• • • •	-	
	Measur In Case In Case In Case In Case In Case In Case Suitabl Media: Unsuita Media: Flamma Hazard Flash P Explosi Autoign	# / Hazardous Comp REACH Registra 96-07-0 NVP-BKM120 Description of First Aid Measures: NVP-BKM120 In Case of Inhalation: In Case of Inhalation: In Case of Skin Contact: In Case of Eye Contact: In Case of Ingestion: In Case of Ingestion: Suitable Extinguishing Media: Media: Unsuitable Extinguishing Media: Flammable Properties an Hazards: Flash Pt: Explosive Limits: Autoignition Pt: In Case of Ingestion	# / Hazardous Components (Chemical Name)/ REACH Registration No. 96-07-0 NVP-BKM120 Section 4. Fi Description of First Aid Measures: In Case of Inhalation: Remove to fresh air. If not brown Get immediate medical attention In Case of Skin Contact: Immediately wash skin with s clothing. Get medical attention In Case of Eye Contact: Hold eyelids apart and flush of and tested by medical person In Case of Ingestion: Wash out mouth with water p unconscious person. Get medical person In Case of Ingestion: Use alcohol-resistant foam, of Use water spray to cool fire-of Unsuitable Extinguishing Media: Use water stream may be Media: Flammable Properties andNo data available. Hazards: No data. Flash Pt: No data. Explosive Limits: LEL: No data. Autoignition Pt: No data. Fire Fighting Instructions: As in any fire, wear self-cont	# / CS # Hazardous Components (Chemical Name)/ REACH Registration No. Concentration 96-07-0 NVP-BKM120 100.0 % Section 4. First Aid Meas Description of First Aid Measures: In Case of Inhalation: Remove to fresh air. If not breathing, give artificia Get immediate medical attention. In Case of Skin Contact: Immediately wash skin with soap and plenty of w clothing. Get medical attention if symptoms occu In Case of Eye Contact: In Case of Ingestion: Wash out mouth with water provided person is con unconscious person. Get medical attention. Do N medical personnel. In Case of Ingestion: Use alcohol-resistant foam, carbon dioxide, wate unconscious person. Get medical attention. Do N medical personnel. Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, wate Use water spray to cool fire-exposed containers Unsuitable Extinguishing A solid water stream may be inefficient. Media: No data available. Flash Pt: No data. Flash Pt: No data. Fire Fighting Instructions: As in any fire, wear self-contained breathing app	CS # REACH Registration No. EC Index No. 96-07-0 NVP-BKM120 100.0 % 805-442-5 NA Section 4. First Aid Measures Description of First Aid Measures: In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or gi Get immediate medical attention. In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 2/ clothing. Get medical attention if symptoms occur. Wash clothing b In Case of Eye Contact: In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 2/ and tested by medical personnel. In Case of Ingestion: Wash out mouth with water provided person is conscious. Never g unconscious person. Get medical attention. Do NOT induce vomiti medical personnel. Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemica Use water spray to cool fire-exposed containers. Unsuitable Extinguishing Media: A solid water stream may be inefficient. Media: Flammable Properties andNo data available. Hazards: No data. No data. UEL: No data.



SAFETY DATA SHEET NVP-BKM120

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Supersedes	Revision:	11/22/2013

	S	Section 6. Accidental Release Measures
6.1	•	Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
		and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2		Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3		Contain spill and collect, as appropriate.
		Transfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taken	Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Section	on 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	
8.2	Exposure Controls:	
8.2.1	Engineering Controls	Jse process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	evels below recommended exposure limits.
8.2.2	Personal protection equipr	nent:
	Eye Protection:	Safety glasses
	Protective Gloves:	Compatible chemical-resistant gloves
	Other Protective Clothing:	_ab coat
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.
	(Specify Type):	
	Work/Hygienic/Maintenan	Do not take internally.
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.
		Wash thoroughly after handling.
	I	No data available.
	Se	ction 9. Physical and Chemical Properties
9.1	Information on Basic Physic	cal and Chemical Properties
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	A crystalline solid
	pH:	No data.
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	No data.
	Evaporation Rate:	No data.
	Flammability (solid, gas):	No data available.
	Explosive Limits:	LEL: No data. UEL: No data.
	Vapor Pressure (vs. Air or	mm No data.
	Hg): Vapor Density (vs. Air = 1):	No data.
	Tapor Density (VS. All = 1).	
		Multi-region format

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1	Specific Gravity (Water =						
	Solubility in Water:	No data.					
	Solubility Notes:	~0.5 mg/ml in a 1:1 solution of EtO DMSO; ~12 mg/ml in DMF;	H:PBS (pH 7.	2); ~17 mg/ı	ml in EtOH; ~1	4 mg/ml in	
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperate	ure: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Wei	ght: C18H21F3N6O2 410.4					
		Section 10. Stability and	Reactivi	ty			
10.1	Reactivity:	No data available.					
10.2	Stability:	Unstable [] Stable [X]					
10.3	Stability Note(s):	Stable if stored in accordance with informa	tion listed on	the product	insert.		
	Polymerization:	Will occur [] Will not occur [X]					
10.4	Conditions To Avoid:	No data available.					
10.5	Incompatibility - Materials	strong oxidizing agents					
	To Avoid:						
10.6	Hazardous	carbon dioxide	n dioxide				
	Decomposition or	carbon monoxide					
	Byproducts:	hydrogen fluoride					
		nitrogen oxides					
		Section 11. Toxicological	Informati	on			
11.1	Information on Toxicological Effects:	The toxicological effects of this product have	ve not been th	noroughly st	udied.		
	-						
CAS		ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
9443	96-07-0 NVP-BKM120		n.a.	n.a.	n.a.	n.a.	
		Section 12. Ecological Ir	nformatio	n			
12.1	Toxicity:	Avoid release into the environment.					
		Runoff from fire control or dilution water ma	ay cause pollu	ution.			
12.2	Persistence and	No data available.					
	Degradability:						
12.3	Bioaccumulative	No data available.					
	Potential:						
12.4	Mobility in Soil:	No data available.					
12.5	Results of PBT and vPvB	o data available.					
1	assessment:						
12.6	Other adverse effects:	No data available.					
12.6	Other adverse effects:	No data available.					
12.6	Other adverse effects:	No data available.					
12.6	Other adverse effects:	No data available.					

Multi-region format



Multi-region format

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		Section 13. Dispo	osal Considera	ations	
13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.					
Section 14. Transport Information					
14.1 LAN	D TRANSPORT (US	DOT):			
DOT Proper Shipping Name: Toxic solid, organic, n.o.s.					
(5-(2,6-di-4-morpholinyl-4-pyrimidinyl)-4-(trifluoromethyl)-2-pyridinamine)					ine)
DOT Ha	zard Class:	6.1 POISON	1		
UN/NA	Number:	UN2811	Packing Gro	Packing Group:	
		POISON 6			
	D TRANSPORT (Eur				
ADR/RI	D Shipping Name:	Toxic solid, organic, n.o.s			·
		(5-(2,6-di-4-morpholinyl-4			
UN Nun Hazard		2811 6.1 - POISON	Packing Gro	bup:	III
	TRANSPORT (ICAO/	-			
	TA Shipping Name:	Toxic solid, organic, n.o.s (5-(2,6-di-4-morpholinyl-4		romethyl)-2-nyridinam	line)
UN Nun	abor:	2811	Packing Gro		
Hazard		6.1 - POISON	IATA Classi	-	6.1
					0.1
Additional Information	-	Transport in accordance with When sold in quantities of les		-	ented Quantity Code of
		When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10.			
		Therefore packaging does no		• •	•
		Section 15. Reg	ulatory Informa	ation	
EPA SARA	(Superfund Amendn	nents and Reauthorization Ac	•		
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
944396-07-	0 NVP-BKM120		No	No	No
CAS #	Hazardous Com	nonents (Chemical Name)	Other US EPA or	State Lists	
944396-07-			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA		
			PROP.65: No		
Regulatory	Information	This SDS was prepared in ac	 cordance with 29 CFR	1910.1200 and Reg	ulation (EC)
Statement:		No.1272/2008.			



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Section 16. Other Information		
Revision Date:	07/03/2018	
Additional Information About	No data available.	
This Product:		
Company Policy or Disclaimer:	DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.	