

Nickel(II) bis(trifluoromethanesulfonyl)imide Safety Data Sheet 8169213 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 07/27/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Nickel(II) bis(trifluoromethane	sulfonyl)imide	
CAS No	: 207861-63-0		
Product code	: 8169-2-13		
Formula	: C4F12N2NiO8S4		
Synonyms	: Nickel di[bis(trifluoromethanes	ulfonyl)imide]	
Other means of identification	: MFCD23380174		
1.2. Relevant identified uses of the	substance or mixture and uses advi	sed against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and develo		
1.3. Details of the supplier of the sa	fety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	ica		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company		
STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS05 GHS07	GHS08	
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H314 - Causes severe skin bu H317 - May cause an allergic H335 - May cause respiratory H350 - May cause cancer	skin reaction	
Precautionary statements (GHS-US)	P260 - Do not breathe dust, n P264 - Wash skin thoroughly P271 - Use only outdoors or i P272 - Contaminated work cld P280 - Wear protective glove: P301+P330+P331 - If swallov P302+P352 - If on skin: Wash P303+P361+P353 - If on skin skin with water/shower P304+P340 - If inhaled: Remo	safety precautions have been read and unde ist, spray after handling	ce ection ted clothing. Rinse for breathing
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Not applicable SECTION 3: Compo	lens P300 P310 P32 P33 P36 P400 P400 P50	es, if present and easy to do. Continue rin 8+P313 - If exposed or concerned: Get me 0 - Immediately call a POISON CENTER of 1 - Specific treatment (see supplemental fi 3+P313 - If skin irritation or rash occurs: G 3 - Wash contaminated clothing before reu 3+P233 - Store in a well-ventilated place. I 5 - Store locked up 1 - Dispose of contents/container to an ap	edical advice/atto or doctor/ physic rst aid instructio iet medical advid ise Keep container t	ian ins on this label) ce/attention tightly closed
3.1. Substance	_ B.4	o constituent		
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
Nickel(II) bis(trifluoromethane (Main constituent)	esulfonyl)imide	(CAS No) 207861-63-0	<= 100	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 3, H335
Full text of H-phrases: see	section 16			
B.2. Mixture				
lot applicable				
SECTION 4: First aid	measures			
.1. Description of f	irst aid measures			
First-aid measures general	whe	ase of accident or if you feel unwell, seek r re possible). Move the affected personnel	away from the c	contaminated area.
First-aid measures after inl	respiration. Get immediate medical advice/attention.			
irst-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention.			·	
First-aid measures after ey	pres	ediately flush eyes thoroughly with water f ent and easy to do. Continue rinsing. Get IOT induce vomiting. Never give anything	immediate medi	ical advice/attention.
	mou	th out with water. Get immediate medical a		
	symptoms and effects, both			
Symptoms/injuries	2.2)	most important known symptoms and effe and/or in section 11.		
Symptoms/injuries after inh		erial is destructive to tissue of the mucuous tness of breath, headache, nausea.	s membranes ar	nd upper respiratory tract. Cough,
4.3. Indication of an	y immediate medical attention	on and special treatment needed		
Freat symptomatically.				
SECTION 5: Firefigh	ting measures			
i.1. Extinguishing n	nedia			
Suitable extinguishing mee		hol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards	arising from the substance	or mixture		
Fire hazard		mal decomposition generates: Carbon oxi rogen oxides. Sulfur oxides.	des. Hydrogen f	fluoride. Nickel/nickel oxides
5.3. Advice for firefi	ghters			
Firefighting instructions : In case of fire: Evacuate area.				
Protection during firefightin		r gas tight chemically protective clothing in aratus. For further information refer to sect		

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SECTION 6: Accidental release measu			
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 dust.			
General measures	. Evacuate unnecessary personnel. Ensure adequate an ventilation. Do not breathe dust.		
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	: Avoid raising dust. When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined. Eliminate every possible source of ignition.		
6.2. Environmental precautions			
Avoid release to the environment. Notify authoritie	s if product enters sewers or public waters.		
6.3. Methods and material for containment	t and cleaning up		
For containment	: Stop leak if safe to do so.		
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.		
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			
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 dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.		
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			
	Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Hygroscopic. Moisture sensitive. Keep contents under inert gas.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage area	: Store in dry, cool, well-ventilated area.		
SECTION 8: Exposure controls/perso	nal protection		
8.1. Control parameters			
No additional information available			
8.2. Exposure 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. : In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory		
Respiratory protection	Protection.		
Other information : Safety shoes. 29 CFR 1910.136: Foot Protection.			
SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	: Solid		
	: No data available		
Odor : No data available			
Odor threshold	: No data available		
рН	: No data available		

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5 6 ,	3 .
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
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
Molecular mass	: 618.99 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
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. **Other information**

No additional information available

SECTION 10: Stability and reactivity			
10.1. Reactivity			
No additional information available			
10.2. Chemical stability			
The product is stable at normal handling and storage conditions.			
10.3. Possibility of hazardous reactions			
No additional information available			
10.4. Conditions to avoid			
Keep away from heat, sparks and flame. Moisture.			
10.5. Incompatible materials			
Bases. Strong oxidizing agents.			
10.6. Hazardous decomposition products			
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.			
CECTION 44. Toxical animal information			

SECTION TT: Toxicological information			
11.1.	Information on toxicological effects		
Acute tox	icity	: Not classified	

Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	 Causes severe skin burns and eye damage Causes serious eye damage. May cause an allergic skin reaction. 	
Germ cell mutagenicity Carcinogenicity	: Not classified : May cause cancer.	
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	
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Symptoms/injuries after inhalation

: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

SECT	ION 12: Ecological information
12.1.	Toxicity
No addi	tional 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 additional information available

SECTION 13: Disposal consider	ations	
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	tion	
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

DOT Special Provisions (49 CFR 172.102)

- : UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III
- : UN3261
- : Corrosive solid, acidic, organic, n.o.s.
- : 8 Class 8 Corrosive material 49 CFR 173.136
- : 8 Corrosive



- : III Minor Danger
- : 213
- : 240
- : G Identifies PSN requiring a technical name

: IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.

T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)

TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.

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DOT Packaging Exceptions (49 CFR 173.xxx)	: 154			
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 25 kg			
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 100 kg			
DOT Vessel Stowage Location	: A - The materia passenger vess	I may be stowed "on deck" or "unde el.	r deck" on a cargo vessel and on a	
Other information	: No supplement	ary information available.		
TDG				
No additional information available				
Transport by sea				
UN-No. (IMDG)	: 3261			
Proper Shipping Name (IMDG)	: CORROSIVE S	OLID, ACIDIC, ORGANIC, N.O.S.		
Class (IMDG)	: 8 - Corrosive su	: 8 - Corrosive substances		
Packing group (IMDG)	: III - substances presenting low danger			
Air transport				
UN-No. (IATA)	: 3261			
Proper Shipping Name (IATA)	: Corrosive solid,	acidic, organic, n.o.s.		
Class (IATA)	: 8 - Corrosives	: 8 - Corrosives		
Packing group (IATA)	: III - Minor Dang	er		
SECTION 15: Regulatory informatio	า			
15.1. US Federal regulations				
All components of this product are listed, or ex Substances Control Act (TSCA) inventory exce	0,	on the United States Environmental	Protection Agency Toxic	
Nickel(II) bis(trifluoromethanesulfonyl)imide		CAS No 207861-63-0	100%	

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

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

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Full tex	t of H-phrases:	
	Carc. 1B	Carcinogenicity Category 1B
	Eye Dam. 1	Serious eye damage/eye irritation Category 1
	Skin Corr. 1B	Skin corrosion/irritation Category 1B
	Skin Sens. 1	Skin sensitization Category 1
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H314	Causes severe skin burns and eye damage
	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage
	H335	May cause respiratory irritation
	H350	May cause cancer
NFPA f	nealth hazard ire hazard reactivity	 : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 0 - Materials that will not burn. : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS I	II Rating	
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability : 0 Minimal Hazard - Materials that will not burn		: 0 Minimal Hazard - Materials that will not burn
Physica	al	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, 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.