

N-Methyl-4-fluoro-2-nitroaniline

Safety Data Sheet 4655304 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/06/2015 Version: 1.0

Identification Product form Substance name CAS No Product code Formula Other means of identification 1.2. Relevant identified uses of the sub Use of the substance/mixture 1.3. Details of the supplier of the safety	 Substance N-Methyl-4-fluoro-2-nitroaniline 704-05-2 4655-3-04 C7H7FN2O2 MFCD00792440 ostance or mixture and uses advised against Laboratory chemicals
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se of the substance/mixture	: Laboratory chemicals
3 Details of the supplier of the safety	Manufacture of substances Scientific research and development
.o. Details of the supplier of the surery	y data sheet
ynQuest Laboratories, Inc.	
O. Box 309 Jachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097	
nfo@synquestlabs.com - www.synquestlabs.com .4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
	. (077) 323-4000 (SE CUMPANY - ACCOUNT 10008)
ECTION 2: Hazard(s) identification	n
1. Classification of the substance or	
lassification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
ye Irrit. 2A H319 - Causes serious eye irrita STOT SE 3 H335 - May cause respiratory ir	
, , ,	Induon
ull text of H-phrases: see section 16	
.2. Label elements	
HS-US labeling	
lazard pictograms (GHS-US)	
	GHS07
Signal word (GHS-US)	: Warning
lazard statements (GHS-US)	: H315 - Causes skin irritation
	H319 - Causes serious eye irritation H335 - May cause respiratory irritation
recautionary statements (GHS-US)	: P261 - Avoid breathing dust, mist, spray
	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 P302+P352 - If on skin: Wash with plenty of soap and water 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

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2.3. Other hazards No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
	ion on inc	radionta			
SECTION 3: Composition/informat	ion on ingi	realents			
3.1. Substance Substance type	· Mono-c	onstituent			
Name N-Methyl-4-fluoro-2-nitroaniline		Product identifier (CAS No) 704-05-2	% <= 100	Classification Skin Irrit. 2, H31	
(Main constituent)		(CAS NU) 704-05-2	<= 100	Eye Irrit. 2A, H3 STOT SE 3, H3	19
Full text of H-phrases: see section 16					
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measures					
irst-aid measures general	where p	of accident or if you feel unw possible). Move the affected	personnel away fro	om the contaminated are	ea.
First-aid measures after inhalation	respirat	e person to fresh air and kee ion. Get medical advice/atter	ntion.	0	ıg, give artificial
First-aid measures after skin contact		vith plenty of soap and water.			
First-aid measures after eye contact	present	ately flush eyes thoroughly w and easy to do. Continue rir	sing. Get medical	advice/attention.	
First-aid measures after ingestion		Γ induce vomiting. Never give out with water. Get medical a		th to an unconscious pe	rson. Rinse
4.2. Most important symptoms and eff					
Symptoms/injuries		st important known symptom d/or in section 11.	s and effects are	described in the labellin	g (see section
4.3. Indication of any immediate medio	cal attention	and special treatment need	led		
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media		resistant foam. Carbon dioxi iate for surrounding fire.	de. Dry powder. V	Vater spray. Use exting	iishing media
5.2. Special hazards arising from the s	substance or	mixture			
Fire hazard		I decomposition generates: (Carbon oxides. Hy	drogen fluoride. Nitroge	n oxides.
5.3. Advice for firefighters			-		
Firefighting instructions	: In case	of fire: Evacuate area.			
Protection during firefighting		as tight chemically protective us. For further information re			
SECTION 6: Accidental release me					
6.1. Personal precautions, protective e					
General measures	: Evacua	te unnecessary personnel. E	nsure adequate a	ir ventilation. Do not bre	athe dust.
6.1.1. For non-emergency personnel					
Emergency procedures	: Only qu	alified personnel equipped w	rith suitable protec	tive equipment may inte	ervene.
6.1.2. For emergency responders					
Protective equipment		attempt to take action withou section 8: "Exposure control			r information
6.2. Environmental precautions					
Avoid release to the environment. Notify autho	rities if produc	ct enters sewers or public wa	ters.		
6.3. Methods and material for contain					
For containment		ak if safe to do so.			
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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 stora	ge		
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, in	ncluding any incompatibilities		
Technical measures	: Comply with applicable regulations.		

: Keep container closed when not in use.

: 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

Storage conditions

Incompatible materials

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical an	Id chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
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	: 170.14 g/mol
Solubility	: No data available
Log Pow	: No data available

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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 re	eactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handl	ing and storage conditions.
10.3. Possibility of hazardous r	eactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flar	ne.
10.5. Incompatible materials	
Strong acids. Strong bases. Strong or	xidizing agents.
10.6. Hazardous decomposition	n products
Under normal conditions of storage a fire, see Section 5.	nd use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological	information
11.1. Information on toxicologi	cal effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	ional information available
12.2.	Persistence and degradability
No addit	ional information available
12.3.	Bioaccumulative potential
No addit	ional information available
12.4.	Mobility in soil
No addit	ional information available
12.5.	Other adverse effects
No addit	ional information available

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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

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

	N-Methyl-4-fluoro-2-nitroaniline	CAS No 704-05-2	100%
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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

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 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.