

SAFETY DATA SHEET

Revision Date 21-Feb-2020

Revision Number 2

1. Identification					
Product Name	4,4 -Dinonyl-2,2 -bipyridine				
Cat No. :	H31476				
CAS-No Synonyms	142646-58-0 No information available				
Recommended Use Laboratory chemicals. Uses advised against Food, drug, pesticide or biocidal product use. Details of the supplier of the safety data sheet					
Company Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Email: tech@alfa.com www.alfa.com					
Emergency Telephone Number During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.					

2. Hazard(s) identification

Classification

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

Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Specific target organ toxicity (single exposure) Target Organs - Respiratory system. Category 2 Category 2 Category 3

Label Elements

Signal Word Warning

Hazard Statements

Causes skin irritation Causes serious eye irritation May cause respiratory irritation



Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling

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

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

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

eight %
<=100
<

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. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove 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 and	None reasonably foreseeable.
effects Notes to Physician	Treat symptomatically

5. Fire-fighting measures

Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature Explosion Limits	No information available
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact Sensitivity to Static Discharge	No information available No information available

Specific Hazards Arising from the Chemical Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u>			
Health 2	Flammability 1	Instability 0	Physical hazards -
	6. Accidental r	elease measures	
Personal Precaution	s Ensure adequate ventila	ation. Use personal protective equ	uipment as required. Avoid dust
Environmental Preca		into the environment. See Sectio	n 12 for additional Ecological
Methods for Contain Up	ment and Clean Sweep up and shovel in containers for disposal.	to suitable containers for disposa	al. Keep in suitable, closed
	7. Handling	g and storage	
Handling		e equipment/face protection. Ens on clothing. Avoid ingestion and i	
Storage	Keep containers tightly	closed in a dry, cool and well-ven	tilated place.
	•	s / personal protecti	
Exposure Guidelines		ontain any hazardous materials w region specific regulatory bodies	
Engineering Measure	Ensure that eyewash sta	ations and safety showers are clo	ose to the workstation location.
Personal Protective	Equipment		
Eye/face Protecti		tive eyeglasses or chemical safe otection regulations in 29 CFR 1	
Skin and body pr	otection Wear appropriate protection	tive gloves and clothing to preve	nt skin exposure.

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 Appearance Odor Odor Threshold pH Melting Point/Range Boiling Point/Range Flash Point Evaporation Rate Flammability (solid,gas) Flammability or explosive limits Upper Lower Vapor Pressure Vapor Pressure Vapor Pressure Vapor Density Specific Gravity Solubility Partition coefficient; n-octanol/wate Autoignition Temperature Decomposition Temperature Viscosity Molecular Formula Molecular Weight	Solid Crystalline White No information available No information available 62 - 63 °C / 143.6 - 145.4 °F No information available No information available Not applicable No information available No data available No data available No information available No information available No information available No information available No information available No information available	
_	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	
Hazardous Decomposition Products	None under normal use conditions	
Hazardous Polymerization	Hazardous polymerization does not occur.	
Hazardous Reactions	None under normal processing.	
	11. Toxicological information	
Acute Toxicity		
Product Information Component Information Toxicologically Synergistic Products Delayed and immediate effects as w	No information available rell 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		
4,4 -Dinonyl-2,2 -bipyridine	142646-58-0	Not listed	Not listed	Not listed	Not listed	Not listed		
Mutagenic Effects		No information ava	ailable					
Reproductive Effec	ts	No information available.						
Developmental Effe	cts	No information ava	ailable.					
Teratogenicity		No information ava	ailable.					
STOT - single expos STOT - repeated ex		Respiratory system None known						
Aspiration hazard		No information available						
Symptoms / effects,both acute and No information available delayed								
Endocrine Disrupto	r Information	No information ava	ailable					
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/ Accumulation No information available.

Mobility No information available.

 Use Disposal Methods
 Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

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

United States of America Inventory

Component	CAS-No	TSCA	TSCA Inventory notification - Active/Inactive	TSCA - EPA Regulatory Flags
4,4 -Dinonyl-2,2 -bipyridine	142646-58-0	-	-	-

Legend:

TSCA - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed '-' - Not Listed TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

Component	CAS-No	DSL	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
4,4 -Dinonyl-2,2 -bipyridine	142646-58-0	-	-	-	-	-	-	-	-

U.S. Federal Regulations

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
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

	16. Other information
Prepared By	Health, Safety and Environmental Department Email: tech@alfa.com www.alfa.com
Revision Date Print Date Revision Summary	21-Feb-2020 21-Feb-2020 SDS authoring systems update, replaces ChemGes SDS No. 142646-58-0.

Disclaimer

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End of SDS