

/ersion 2.4	Revision Date 10/05/2016	Print Date 01/31/2017
ECTION 1. PRODUCT AND CO	MPANY IDENTIFICATION	
Product name	: SULF-N® Ammonium Sulfate	
Number	: 00000011568	
Product Use Description	: Fertilizer	
Manufacturer or supplier's	: AdvanSix Inc.	
details	115 Tabor Road Morris Plains, NJ 07950-2546	
For more information call	: 1-844-890-8949	
	+1-973-455-3000	
In case of emergency call	<ul> <li>Medical: 1-800-498-5701 or +1-303</li> <li>Transportation (CHEMTREC): 1-80 +1-703-527-3887</li> </ul>	
	: : (24 hours/day, 7 days/week)	
ECTION 2. HAZARDS IDENTIF	ICATION	
Emergency Overview		
Form	: granules	
Color	: colourless to brown	
Odor	: odourless	
Classification of the substa	ance or mixture	
Not a hazardous substance of	or mixture.	
Precautionary statements	: Prevention:	
	Use personal protective equipmen	it as required.
Hazards not otherwise classified	: Product dust may be irritating to e	yes, skin and respiratory
CIDDOILEU	system.	
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SAFETY DATA SHEET		<b>Λ</b> σνλη <b>Si</b> χ
SULF-N® Ammonium S	ulfate	
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<b>Carcinogenicity</b> No component of this product p anticipated carcinogen by NTP		ual to 0.1% is identified as a known or
SECTION 3. COMPOSITION/INFO		
Chemical nature	: Mixture	
Chemical na	ame CAS	No. Concentration
Ammonium sulfate	7783-	20-2 >98.50 %
SECTION 4. FIRST AID MEASUR	ES	
Inhalation	breathing is difficult, give oxyg	s present. Get medical attention if
Skin contact	: Wash off immediately with ple minutes. Take off contaminate Wash contaminated clothing b attention if irritation develops a	d clothing and shoes immediately. efore re-use. Get medical
Eye contact	: Rinse immediately with plenty for at least 15 minutes. Get modevelops and persists.	of water, also under the eyelids, edical attention if irritation
Ingestion	: Induce vomiting, but only if vic anything by mouth to an uncor glasses of water. Call a physic	
Notes to physician		
Treatment	: Treat symptomatically.	
SECTION 5. FIREFIGHTING MEA	SURES	
Suitable extinguishing media	: Use extinguishing measures	that are appropriate to local
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Specific hazards during firefighting	Revision Date 10/05/2016 circumstances and the surroundin : Container may rupture on heating Cool closed containers exposed to Do not allow run-off from fire fightic courses. Explosive reactions with oxidising chlorate and/or peroxides. In case of fire hazardous decomport produced such as: Sulphur oxides Ammonia Carbon monoxide	o fire with water spray. ing to enter drains or water agents such as potassium
firefighting	<ul> <li>Container may rupture on heating Cool closed containers exposed to Do not allow run-off from fire fightic courses.</li> <li>Explosive reactions with oxidising chlorate and/or peroxides.</li> <li>In case of fire hazardous decomport produced such as:</li> <li>Sulphur oxides</li> <li>Ammonia</li> <li>Carbon monoxide</li> </ul>	o fire with water spray. ing to enter drains or water agents such as potassium
firefighting	Cool closed containers exposed to Do not allow run-off from fire fight courses. Explosive reactions with oxidising chlorate and/or peroxides. In case of fire hazardous decomport produced such as: Sulphur oxides Ammonia Carbon monoxide	o fire with water spray. ing to enter drains or water agents such as potassium
	Carbon dioxide (CO2)	
Special protective equipment for firefighters	: In the event of fire and/or explosic In the case of respirable dust and/ breathing apparatus and dust imp	/or fumes, use self-contained
Further information	: Use extinguishing measures that a circumstances and the surroundin	
ECTION 6. ACCIDENTAL RELEA	<ul> <li>Wear personal protective equipment must be kept away.</li> <li>Evacuate personnel to safe areas.</li> <li>Keep people away from and upwin Remove all sources of ignition.</li> <li>Provide adequate ventilation.</li> <li>Avoid dust formation.</li> <li>Avoid breathing dust.</li> <li>Avoid contact with skin, eyes and contact with skin.</li> </ul>	d of spill/leak.
Environmental precautions :	Do not flush into surface water or s Prevent further leakage or spillage Do not let product enter drains.	
Methods for cleaning up :	: Use mechanical handling equipme Clean contaminated surface thorou Pick up and arrange disposal witho Use a suitable vacuum cleaner.	ughly.
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TION 7. HANDLING AND ST	OF	AGE	
Handling			
Handling	:	Handle with care. Wear personal protective equipment. Use only in well-ventilated areas. Avoid dust formation. Not expected to form explosive dust-air mixture Provide exhaust ventilation if dust is formed. Dust must be extracted directly at the point of of Avoid breathing dust. Avoid contact with skin, eyes and clothing.	
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection	
Storage			
Requirements for storage areas and containers	:	Store in a dry place. Store in a well-ventilated place. Containers which are opened must be carefully kept upright to prevent leakage. Protect from physical damage. Store away from incompatible substances. Do not store together with: Strong oxidizing agents	y resealed and
TION 8. EXPOSURE CONTR	ROL	S/PERSONAL PROTECTION	
Protective measures	:	Ensure that eyewash stations and safety show the workstation location. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.	ers are close to
Engineering measures	:	Provide exhaust ventilation if dust is formed. Dust must be extracted directly at the point of of Apply technical measures to comply with the of exposure limits.	
Eye protection	:	Do not wear contact lenses. Wear as appropriate: Safety glasses with side-shields	



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Hand protection	: Gloves Gloves must be inspected prior Replace when worn.	r to use.
Skin and body protection	: Long sleeved clothing	
Respiratory protection	: Use NIOSH approved respirato	bry protection.
Hygiene measures	: Wash hands before breaks and Remove and wash contaminate Keep working clothes separate	ed clothing before re-use.
Exposure Guidelines		
Contains no substances wit	n occupational exposure limit values.	
ECTION 9. PHYSICAL AND C	IEMICAL PROPERTIES	
Physical state	: granules	
Color	: colourless to brown	
Odor	: odourless	
рН	: 5.5	
Melting point/range	: Note: no data available	
Boiling point/boiling range	: Note: Not applicable	
Flash point	: Note: Not applicable	
Lower explosion limit	: Note: Not applicable	
Upper explosion limit	: Note: Not applicable	
Vapor pressure	: Note: Not applicable	
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Density	: 1.77 g/cm3	
Water solubility	: 410 - 750 g/l at 20 - 25 °C	
Ignition temperature	: Note: Not applicable	
Decomposition temperature	: 280 °C	
Molecular weight	: 132.14 g/mol	
SECTION 10. STABILITY AND R		
Chemical stability	: Stable under recommended stora	ge conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does r	ot occur.
Incompatible materials to avoid	: Strong oxidizing agents Zinc	
	Copper Copper-bearing materials	
Hazardous decomposition	: Sulphur oxides	
products	Ammonia Carbon dioxide (CO2) Carbon monoxide	
ECTION 11. TOXICOLOGICAL	NFORMATION	
Acute oral toxicity	: LD50: 3,000 mg/kg Species: Rat	
Acute dermal toxicity	: LD50: > 2,000 mg/kg Species: Rat	
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Skin irritation	: Species: Rabbit Result: slight irritation	
Eye irritation	: Species: Rabbit Result: slight irritation	
Genotoxicity in vitro	: Note: In vitro tests did not show mut	agenic effects
CTION 12. ECOLOGICAL INF	ORMATION	
Ecotoxicity effects		
Toxicity to fish	: LC50: > 460 mg/l Exposure time: 96 h Species: Leuciscus idus (Golden orf	e)
Toxicity to daphnia and other aquatic invertebrates	r : LC50: 423 mg/l Exposure time: 25 h Species: Daphnia magna (Water fle	a)
	: LC50: 433 mg/l Exposure time: 50 h Species: Daphnia magna (Water fle	a)
	: LC50: 292 mg/l Exposure time: 100 h Species: Daphnia magna (Water fle	a)
Further information on eco	logy	
CTION 13. DISPOSAL CONS	IDERATIONS	
Disposal methods	: Observe all Federal, State, and Loca regulations.	al Environmental
CTION 14. TRANSPORT INFO	DRMATION	



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<b>DOT</b> Not dangerous g	oods	
TDG Not dangerous g	oods	
IATA Not dangerous g	oods	
IMDG Not dangerous g	oods	
SECTION 15. REGULATORY IN	FORMATION	
Inventories		
US. Toxic Substances Control Act	: On TSCA Inventory	
Australia. Industrial Chemical (Notification and Assessment) Act	: On the inventory, or in compliance w	ith the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	: All components of this product are or	n the Canadian DSL
Japan. Kashin-Hou Law List	: On the inventory, or in compliance w	ith the inventory
Korea. Toxic Chemical Control Law (TCCL) List	: On the inventory, or in compliance w	ith the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	: On the inventory, or in compliance w	ith the inventory
China. Inventory of Existing Chemical Substances	: On the inventory, or in compliance w	ith the inventory
National regulatory inform	ation	
SARA 302 Components	: No chemicals in this material are sub requirements of SARA Title III, Secti	
SARA 313 Components	: : Ammonium sulfate	7783-20-2
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SARA 311/312 Hazards	: Acute H	Health Hazard		
California Prop. 65	Califorr	oduct does not contain any nia to cause cancer, birth de uctive harm.	chemicals known to State of efects, or any other	
Massachusetts RTK	: Ammor	nium sulfate	7783-20-2	
Pennsylvania RTK	: Ammor	nium sulfate	7783-20-2	
WHMIS Classification	This pro of the C	Not Rated This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.		
	by the (	GFR.		
CTION 16. OTHER INFORM		огк. 		
CTION 16. OTHER INFORM				
Health hazard	ATION HMIS II	II NFPA 1		
Health hazard Flammability	ATION HMIS II : 1 : 0	II NFPA		
Health hazard	ATION HMIS II	II NFPA 1		
Health hazard Flammability Physical Hazard Instability	ATION HMIS II : 1 : 0 : 0 : : stems (e.g. H	II NFPA 1 0 0 IMIS® III, NFPA): This inform	nation is intended solely for the us	
Health hazard Flammability Physical Hazard Instability Hazard rating and rating sys	ATION HMIS II : 1 : 0 : 0 : : stems (e.g. H	II NFPA 1 0 0 IMIS® III, NFPA): This inform	nation is intended solely for the us	
Health hazard Flammability Physical Hazard Instability Hazard rating and rating sys of individuals trained in the <b>Further information</b> The information provided in and belief at the date of its p handling, use, processing, s warranty or quality specification may not be valid for such m	ATION HMIS II : 1 : 0 : 0 : stems (e.g. H particular systems this Safety I publication. T storage, trans ation. The info haterial used Final determ	II NFPA 1 0 0 IMIS® III, NFPA): This inform stem. Data Sheet is correct to the The information given is des sportation, disposal and rele ormation relates only to the in combination with any oth nination of suitability of any r	best of our knowledge, information signed only as a guidance for safe ease and is not to be considered specific material designated and er materials or in any process, material is the sole responsibility	
Health hazard Flammability Physical Hazard Instability Hazard rating and rating sys of individuals trained in the <b>Further information</b> The information provided in and belief at the date of its p handling, use, processing, s warranty or quality specificat may not be valid for such m unless specified in the text. the user. This information s	ATION HMIS II : 1 : 0 : 0 : stems (e.g. H particular systems this Safety I publication. T storage, trans ation. The info haterial used Final determ hould not cor	II NFPA 1 0 0 IMIS® III, NFPA): This inform stem. Data Sheet is correct to the The information given is des sportation, disposal and relevant ormation relates only to the in combination with any oth innation of suitability of any r nstitute a guarantee for any	best of our knowledge, information signed only as a guidance for safe ease and is not to be considered specific material designated and er materials or in any process, material is the sole responsibility	



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