

Material Safety Data Sheet

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Version	1.1

Section 1- Product Information

Product name	ADOS
Product Cat. No.	C01592

Section 2-Composition / Information on Ingredients

Substance/Preparation	Substance.
Ingredient Name	N-Ethyl-N-(2-hydroxy-3-sulfopropyl)-3-methoxyaniline sodium salt
CAS No.	82692-96-4
ACGIH Exposure Limits	None
OSHA Exposure Limits	None

Section 3- Hazards Identification

Emergency Overview	May cause skin irritation and/or dermatitis
Principle Routes of Exposure	Skin
Inhalation	May cause irritation of respiratory tract.
Ingestion	May be harmful if swallowed.
Skin Contact	May cause allergic skin reaction.
Eye Contact	Avoid contact with eyes.
Statements of Hazard	May cause allergic skin reaction.
Statement of Spill or Leak	Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Section 4- First-aid Measures

General Advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move to fresh air. Call a physician immediately.
Skin Contact	Rinse immediately with plenty of water and seek medical advice.
Ingestion	Do not induce vomiting without medical advice.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Protection of First-Aiders	No information available
Medical Conditions Aggravated by Exposure	None known

Section 5- Fire-fighting Measures

Suitable Extinguishing Media	Use dry chemical, CO ₂ , water spray or "alcohol" foam
Specific Hazards	Burning produces irritant fumes.
Unusual Hazards	None known
Special Protective Equipment for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific Methods	Not determined
Flash Point	Not determined
Autoignition Temperature	Not determined
NFPA Rating	
NFPA Health	1
NFPA Flammability	1
NFPA Reactivity	0

Section 6- Accidental Release Measures

Personal Precautions	Use personal protective equipment.
Environmental Precautions	Prevent product from entering drains.
Methods for Cleaning Up	Sweep up and shovel into suitable containers for disposal.

Section 7- Handling and Storage

Storage	Store at 4°C. STORE UNDER NITROGEN. PROTECT FROM LIGHT.
Handling	Use only in area provided with appropriate exhaust ventilation.
Safe Handling Advice	Wear personal protective equipment.
Incompatible Products	Oxidising and spontaneously flammable products

Section 8-Exposure Controls / Personal Protection

Engineering Measures	Ensure adequate ventilation.
Personal Protective Equipment	
Personal Protective Equipment	Breathing apparatus only if aerosol or dust is formed.
Hand Protection	Pvc or other plastic material gloves
Skin and Body Protection	Usual safety precautions while handling the product will provide adequate protection against this potential effect.
Eye Protection	Safety glasses with side-shields
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9- Physical and Chemical Properties

Physical State	Powder
Formula	C ₂ H ₁₈ NO ₅ SNa
Molecular Weight	347.4
Melting Point/Range	Not available at this time.
Boiling Point/Range	Not available at this time.
Density	Not available
Vapor Pressure	Not available
Evaporation Rate	Not available
Vapor Density	Not available
Solubility (in Water)	Not available
Flash Point	Not available
Autoignition Temperature	Not available

Section 10- Stability and Reactivity

Stability	Stable under recommended storage conditions.
Polymerization	None under normal processing.
Hazardous Decomposition Products	Nitrogen oxides (NOx)/ammonia/CN ⁻ , Sulphur oxides
Materials to Avoid	Strong oxidising agents
Conditions to Avoid	Exposure to air or moisture over prolonged periods.

Section 11- Toxicological Information

Acute toxicity	
RTECS Number	Not Available
Selected LD50s and LC50s	Not Determined
Chronic Toxicity	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
Local Effects	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting
Specific Effects	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Primary Irritation	No data is available on the product itself.
Carcinogenic Effects	No data is available on the product itself.
Mutagenic Effects	No data is available on the product itself.

Reproductive Toxicity No data is available on the product itself.

Section 12- Ecological Information

Mobility	Not Available
Bioaccumulation	Not Available
Ecotoxicity effects	Not Available
Aquatic toxicity	May cause long-term adverse effects in the aquatic environment.
U.S. DOT - Appendix B - Marine Pollutants	Not Listed
U.S. DOT - Appendix B - Severe Marine Pollutants	Not Listed
United Kingdom - The Red List	Not Listed
Germany VCI (WGK)	Not Listed
World Health Organization (WHO) - Drinking Water	Not Listed
Ecotoxicity - Fish Species Data	Not Listed
Ecotoxicity - Freshwater Algae Data	Not Listed
Ecotoxicity - Microtox Data	Not Listed
Ecotoxicity - Water Flea Data	Not Listed
EPA - ATSDR Priority List	Not Listed
EPA - HPV Challenge Program Chemical List	Not Listed
California - Priority Toxic Pollutants	Not Listed

Section 13- Disposal Considerations

Waste from Residues / Unused Products	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.
Contaminated Packaging	Do not re-use empty containers.

Section 14- Transport Information

UN/Id No	Not regulated
DOT	
Proper Shipping Name	Not regulated
U.S. DOT - Appendix A Table 1 - Reportable Quantities	Not Listed
TDG (Canada)	
WHMIS Hazard Class	Non-controlled
IMDG/IMO	
IMDG - Hazard Classifications	Not Applicable
U.S. DOT - Appendix B - Severe Marine Pollutants	Not Listed

Section 15- Regulatory Information

Inventory - United States TSCA - Sect. 8(b)	Not Listed
Canada DSL Inventory List	Not Listed
California Proposition 65 - Massachusetts Right to Know List	Not Listed
New Jersey Right to Know List	Not Listed
Pennsylvania Right to Know List	Not Listed
Florida Substance List:	Not Listed
Rhode Island Right to Know List	Not Listed
Illinois - Toxic Air Contaminants	Not Listed
Connecticut - Hazardous Air Pollutants	Not Listed
SARA 313 Emission reporting/Toxic	Not Listed

Release of Chemicals	
CERCLA/SARA – Section 302	Not Listed
Extremely Hazardous	
NTP	None
IARC	None
SARA 313 Notification	The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Ammendments and Reauthorization Act of 1986 and 40 CFR Part 372.
State Notification	The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

Section 16- Other Information

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.