

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

Section 1 - Identification

Product Identifier AGGRESSOR No-Rinse/No-Scrub Liquifying Stripper

Recommended use Floor remover.

Recommended restrictions For commercial and industrial use only.

Manufacturer / Importer / Supplier / Distributor Information

Company Name DESANTIS JANITOR SUPPLY CO.

Address 100 Mead Ave. · Meadville, PA 16335-3529

Telephone

Supplier Email

Contact

Emergency Phone (814) 724-2508

Section 2 - Hazard(s) Identification

Physical Hazards Not Classified

Health Hazards

Acute toxicity, dermal	4	
Acute toxicity, inhalation	4	
Acute toxicity, oral	4	
Serious eye damage/eye irritation	1	
Skin corrosion/irritation	1	
Specific target organ toxicity, single exposure	3	respiratory tract irritation

OSHA defined hazards Not Classified.

Label Elements

Hazard Symbol



Signal Word Danger

Hazard statement Causes severe skin burns and eye damage. Harmful if swallowed, in contact with skin or if inhaled. May cause respiratory irritation.

Precautionary statement

Prevention Do not breathe mist or vapor. Use only in well-ventilated areas. Wear protective gloves/clothing and eye/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Store locked up. Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Not classified.

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components

Ingredient Name	CAS #	%
2-Amino Ethanol	141-43-5	5 - 10
2-Butoxyethanol	111-76-2	25 - 45

Composition Comments

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Section 4 - First-aid Measures

Inhalation	Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.
Skin contact	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water. Get prompt medical attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Check and remove contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.
Most Important symptoms /effects, acute and delayed	Causes skin and eye burns. May cause respiratory tract irritation. Symptoms may be delayed.
Indication of immediate medical attention and special treatment	Treat symptomatically.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Immediate medical attention is required. In case of shortness of breath, give oxygen. Keep victim warm.

Section 5 - Fire-fighting measures

Suitable extinguishing media	Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	None known.
Special protective equipment and precautions for firefighters	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment /instruction	Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.
General fire hazards	
Specific Methods	

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.	Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.
Methods and materials for containment and cleaning up	Contain spill. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Flush area with water.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling	Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapor. Keep container closed. Wash thoroughly after handling. Use Personal Protective Equipment recommended in section 8 of the SDS.
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. Keep container closed. Keep out of reach of children.

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-Amino Ethanol (CAS 141-43-5)	PEL	6 mg/m ³ , 3 ppm
2-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m ³ , 50 ppm

US. ACGIH Threshold Limit Values

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Component	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm
2-Amino Ethanol (CAS 141-43-5)	STEL	6 ppm
2-Amino Ethanol (CAS 141-43-5)	TWA	3 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2-Amino Ethanol (CAS 141-43-5)	STEL	15 mg/m ³ , 6 ppm
2-Amino Ethanol (CAS 141-43-5)	TWA	8 mg/m ³ , 3 ppm
2-Butoxyethanol (CAS 111-76-2)	TWA	24 mg/m ³ , 5 ppm

Biological limit values

US. ACGIH. BEIs. Biological Exposure Indices

Component	Value	Determinate
2-Butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis

* - For sampling details, please see the source document.

Exposure guidelines Use personal protective equipment as required. Keep working clothes separately.

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the

US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Skin designation applies.

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.100)

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the

US. OSHA Table Z-1-A (29 CFR 1910.100)

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the

US. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Sectic

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the

US. Tennessee. OELs Occupational Exposure Limits, Table Z1A

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the

Appropriate engineering controls Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear approved chemical safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin protection

Hand protection Wear chemical-resistant, impervious gloves. Suitable gloves can be recommended by the glove supplier.

Other Not available.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Section 9 - Physical and chemical properties

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Appearance	Clear.
Physical state	Liquid.
Form	Liquid.
Color	Pale Straw.
Odor	Sassafras.
Odor threshold	Not available.
pH (Concentrate)	11.7
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C)
Flash point	>201°F (94°C) TCC
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Similar to water.
Vapor density	Similar to water.
Relative density	0.97 ± 0.01
Relative density temperature	75 °F (23.89 °C)
Solubilities	100 % Soluble.
Partition Coefficient n-octanol/water	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	< 10 cP
Viscosity Temperature	75 °F (23.89 °C)

Section 10 - Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reaction	Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from heat and direct sunlight. Contact with incompatible materials.
Incompatible materials	Oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide. Nitrogen oxides.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion	May cause burns of the gastrointestinal tract if swallowed.
Inhalation	Irritating to respiratory system. May cause burns in mucous membranes, throat, esophagus and stomach.
Skin contact	Causes skin burns.
Eye contact	Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics Causes skin and eye burns. May cause respiratory tract irritation. Symptoms may be delayed.

Information on toxicological effects.

Acute toxicity Harmful if inhaled, absorbed through skin, or swallowed.

Components	Level	Type	Code	Species	Results
2-Butoxyethanol (CAS 111-76-2)	Acute	Dermal	LD50	Rabbit	400 mg/kg
	Acute	Inhalation	LC50	Rat	450 mg/l, 4 hrs
	Acute	Oral	LD50	Rat	560 mg/kg
2-Amino Ethanol (CAS 141-43-5)	Acute	Dermal	LD50	Rabbit	1025 mg/kg

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	Acute	Oral	LD50	Rat	1715 mg/kg
Skin corrosion/irritation	Causes skin burns.				
Serious eye damage/ eye irritation	Causes serious eye damage.				
Respiratory sensitization	Not classified.				
Skin sensitization	Not classified.				
Germ cell mutagenicity	Not classified.				
Carcinogenicity	IARC Monographs. Overall Evaluation of Carcinogenicity 2-Butoxyethanol (CAS 111-76-2) 3 Not classifiable as to carcinogenicity to humans.				
IARC Monographs. Overall Evaluation of Carcinogenicity					
Component	Result		Comment		
2-Butoxyethanol (CAS 111-76-2)	3		Not classifiable as to carcinogenicity to humans.		
Reproductive toxicity	Not classified.				
Specific target organ toxicity - single exposure	Irritating to respiratory system.				
Specific target organ toxicity - repeated exposure	Not classified.				
Aspiration hazard	Not classified.				
Chronic effects	2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.				

Further information

Section 12 - Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	The product is expected to be biodegradable.
Bioaccumulative potential	Not known.
Partition coefficient n-octanol / water log (Kow)	
Components	Results
2-Butoxyethanol (CAS 111-76-2)	0.83
2-Amino Ethanol (CAS 141-43-5)	-1.31
Mobility in soil	Not available.
Mobility in general	The product is water soluble and may spread in water systems.
Other adverse effects	None known.

Section 13 - Disposal considerations

Disposal instructions	Dispose in accordance with applicable federal, state, and local regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Waste codes should be assigned by the user based on the application for which the product was used.
Waste from residues / unused products	Dispose in accordance with all applicable regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT	
IATA	
IMDG	
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	This substance/mixture is not intended to be transported in bulk.
General Information	

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Section 15 - Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D) Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-CERCLA Hazardous Substance List (40 CFR 302.4 Not on regulatory list.

Components	Result
2-Butoxyethanol (CAS 111-76-2)	LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard	Immediate Hazard	Yes
Categories	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Chemical name	CAS #	% by wt.
2-Butoxyethanol	111-76-2	25 - 45

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US.Massachusetts RTK - Substance List

Components
 2-Butoxyethanol (CAS 111-76-2)
 2-Amino Ethanol (CAS 141-43-5)

US.New Jersey Worker and Community Right-to-Know Act

Components
 2-Butoxyethanol (CAS 111-76-2)
 2-Amino Ethanol (CAS 141-43-5)

US.Pennsylvania RTK - Hazardous Substances

Components
 2-Butoxyethanol (CAS 111-76-2)
 2-Amino Ethanol (CAS 141-43-5)

US.Rhode Island RTK

Components
 2-Butoxyethanol (CAS 111-76-2)
 2-Amino Ethanol (CAS 141-43-5)

US - California Proposition 65 - Carcinogens Reproductive

Not listed.

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*

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Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Issue date 1/18/2015
Revision date
Version # 01

Further information
List of abbreviations
References
Disclaimer

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.