Safety Data Sheet (SDS)
According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Section 1: Identification of the Substance/Mixture and the Company/Undertaking

Product Name: Cutdown II Part A **Product Code: DCDII A**

Dependable, LCC.
1127 Linda St.
Rocky River, OH 44116
USA
440-333-1123

info@dependable.us
440-333-1123

Chemtrec: 1- 800-424-6400
Chemtrec Global: 1-703-527-3887

Section 2: Hazard(s) Identification

GHS Ratings:

Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P285	In case of inadequate ventilation wear respiratory protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment, see supplemental first aid information.
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

Signal Word: Danger

Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Ethanolamine	141-43-5	1.00% - 5.00%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

After Inhalation: Supply fresh air. If required provide artificial respiration. Keep patient warm. Consult doctor if symptons persist.

After Eye Contact: Remove contact lens if worn. Rinse opened eye for several minutes unter running water. If symptoms persist, consult a doctor.

After Skin Contact: Immediately wash with wter and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After Swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.

Notes to Physician: Treat symptomatically

Section 5: Firefighting Measures

Flash Point: N/A

LEL: 6.00 UEL:

5.1 Extinguising Media

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

5.2 Special Hazards Arising from the Substance of Mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Hazardous Combustion Products

Carbon oxides

5.4 Advice for Firefighters

Wear self-contained respiratory protective device

5.5 Fire Equipment

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Do not breathe vapors
Avoid contact with skin, eyes and clothing
Remove all non-essential people from the affected area.
Ensure adequate ventilation
Wear protective equipment

6.2 Environmental Precautions: Do not allow to enter sewers/ surface or ground water.
Prevent seepage into sewage system, workpits and cellars

6.3 Methods and Materials for Containment and Cleaning Up:

Ensure adequate ventilation.
Pick up and arrange disposal without creating dust.
Dispose of the collected material according to regulations

6.4 Reference to Other Sections

For personal protection see Section 8
For disposal information see Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Do not breath vapour/spray
Do not get in eyes, on skin, or on clothing
Ensure good ventilation/exhaustions at the workplace
Make sure that all applicable workplace limits are observed.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in cool, dry conditions in well sealed receptacles
Keep receptacle tightly sealed. Store in dry conditions.
Protect from humidity and water
Storage temperature 10 - 50 °C
Do not store together with oxidizing and acidic materials.

Requirements to be Met by Storerooms and Receptacles: Observe all local and national regulations for storage of water polluting products.

7.3 Specific End Use(s)
No further relevant information available.

Section 8: Exposure Controls/Personal Protection
8.1 Control Parameters
Ingredients with limit values that require monitoring at the workplace:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Ethanolamine 141-43-5	3 ppm TWA; 6 mg/m3 TWA	6 ppm STEL 3 ppm TWA	NIOSH: 3 ppm TWA; 8 mg/m3 TWA 6 ppm STEL; 15 mg/m3 STEL

Additional Information: The lists that were valid during the creation were used as a basis.

8.1 Exposure Controls
Personal Protective Equipment
General Protective and Hygienic Measures
The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working
Keep away foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin

8.2 Exposure Controls
Personal Protective Equipment
General Protective and Hygienic Measures:
Eye Protection: Safety glasses with side shields. If splashes are likely to occur, wear goggles.
Respiratory Protection: Use suitable respirator protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed.
Protection of Hands: Protective gloves: to avoid skin problems, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of Gloves: Neoprene, butyl rubber gloves, the selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. Penetration time of Glove Material: Protective gloves should be replaced at the first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Section 9: Physical and Chemical Properties
9.1 Information on Basic Physical and Chemical Properties

Appearance:	White liquid	**Odor:**	Slight ammonia
Vapor Pressure:	12.1 mmHg	**Odor threshold:**	Not determined
Vapor Density:	2.1	**pH:**	Not applicable
Specific Gravity:	1.241360436	**Melting point:**	Not applicable
Freezing point:	Not applicable	**Solubility:**	Not applicable
Boiling range:	100°C	**Flash point:**	1830 F,999 C

Evaporation rate:	Not determined	**Flammability:**	999 C, 1830 F
Explosive Limits:	Not determined	**Partition coefficient (n-octanol/water):**	Not determined
Autoignition temperature:	410°C	**Decomposition temperature:**	Not determined
WPG	1.1 - 1.30 lbs/gal	**Grams VOC less water:**	Not determined

Section 10: Stability and Reactivity

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Component Toxicity

141-43-5 Ethanolamine

Oral LD50: 1,720 mg/kg (Rat) Dermal LD50: 1,000 mg/kg (Rabbit)

11.1 Information on Toxicological Effects

Routes of Entry:

No data available

Target Organs:

Eyes **Central Nervous System** **Skin** **Respiratory System**

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating
None			No data available

Section 12: Ecological Information

12.1 Persistence and Degradability

Product: No further relevant information available

12.2 Bioaccumulative Potential

Product: Bioaccumulation: No further relevant information available

Partition coefficient: n-octanol/water: No further relevant information available

12.3 Mobility in Soil

Product: Distribution among environmental compartments: No further relevant

information available.

Additional Ecological Information:

General notes: German Hazard Water Class 1

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.4 Results of PBT and vPvB Assessment

Assessment: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.5 Other Adverse Effects

Product: No further relevant information available

12.6 Toxicity

Component Ecotoxicity	
Ethanolamine	96 Hr LC50 Pimephales promelas: 227 mg/L [flow-through]; 96 Hr LC50 Brachydanio rerio: 3684 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 300 - 1000 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 114 - 196 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >200 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 65 mg/L 72 Hr EC50 Desmodesmus subspicatus: 15 mg/L

Section 13: Ecological Information

13.1 Waste Treatment Methods

Product: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches the chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Send to a licensed waste management company.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers

Section 14: Transport Information

14.1 UN Number

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
Not	Regulated			

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Prop 65 - Chemicals Known to Cause Developmental Toxicity

- None

Prop 65 - Chemicals Known to Cause Cancer:

- None

Country	Regulation	All Components Listed

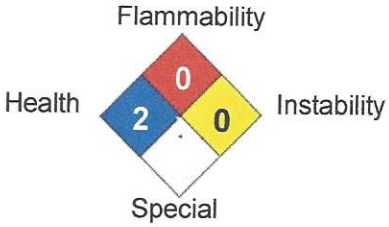
USA	U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	No
USA	U.S. - CERCLA/SARA - Section 313 - Emission Reporting	No
USA	U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	No
USA	U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs	No
USA	U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing	No
USA	TSCA (Inventory - United States - Section 8(b) Inventory (TSCA)	Yes
Canada	DSL (Canadian Domestic Substance List)	Yes
Europe	EINECS (European Inventory of Exisitng Commercial Chemical Substances)	Yes
China	IECSC (Inventory of Chemical Substances Manufactured or Imported in China)	Yes
Australia	AICS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme)	Yes
Phillipines	PICCS (Philippines Inventory of Chemicals and Chemical Substances)	Yes
Korea	KECL (Korean Existing Chemical and Chemical Substances)	Yes
New Zealand	NZIoC (New Zealand Inventory of Chemicals)	Yes
Japan	ISHL (Japanese Handbook of Existing and New Chemical Substances)	No

Section 16: Other Information

Hazardous Material Information System (HMIS)

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



We believe the information contained in this SDS is correct, however, because the material may be used under conditions over which we have no control, we give no warranty and assume no responsibility for any damage to person, property or business arising from such use. It is the responsibility of the user to ensure it is properly used. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Reviewer Revision

Date Prepared: 6/1/2015