

**SAFETY DATA SHEET**

Revision Date: 03/21/2022

Print Date: 3/1/2023

SDS Number: 000000244257

Version: 1.13

N-Durhance™ A 1000 CONDITIONING AGENT
™ Trademark, Ashland or its subsidiaries, registered
in various countries
849858

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : N-Durhance™ A 1000
CONDITIONING AGENT
™ Trademark, Ashland or its subsidiaries, registered in
various countries

Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Cosmetics

Details of the supplier of the safety data sheet

Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America (USA)
1-614-790-3333 (USA)

EHSProductSafety@ashland.com

Emergency telephone number

1-800-ASHLAND (1-800-274-5263)

Regulatory information

1-614-790-3333 (customer service)

Product Information

1-614-790-3333 (USA)

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : organic

Hazardous components

No hazardous ingredients



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SECTION 4. FIRST AID MEASURES

- | | |
|---|--|
| General advice | : No hazards which require special first aid measures. |
| If inhaled | : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. |
| In case of eye contact | : Remove contact lenses.
Protect unharmed eye. |
| If swallowed | : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or Section 11. |
| Notes to physician | : No hazards which require special first aid measures. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|---|--|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO2)
Dry chemical |
| Specific hazards during firefighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : No hazardous combustion products are known |
| Specific extinguishing methods | : |
| Further information | : Product is compatible with standard fire-fighting agents.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | |
|-----------------------|---|
| Personal precautions, | : Persons not wearing protective equipment should be excluded |
|-----------------------|---|

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protective equipment and
emergency procedures

from area of spill until clean-up has been completed.

Environmental precautions

: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform
respective authorities.

Methods and materials for
containment and cleaning up

: Keep in suitable, closed containers for disposal.

Other information

: Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against
fire and explosion

: Normal measures for preventive fire protection.

Advice on safe handling

: Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the
application area.
For personal protection see section 8.

Conditions for safe storage

: Protect from frost.
Containers which are opened must be carefully resealed and
kept upright to prevent leakage.

Materials to avoid

: No materials to be especially mentioned.

Further information on
storage stability

: No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Engineering measures

: General room ventilation should be adequate for normal
conditions of use. However, if unusual operating conditions
exist, provide sufficient mechanical (general and/or local
exhaust) ventilation to maintain exposure below exposure
guidelines (if applicable) or below levels that cause known,
suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection

: In the case of vapour formation use a respirator with an
approved filter within the capabilities of the respirator/filter
combination.

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Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

Hand protection

Material : butyl-rubber
Break through time : 480 min
Glove thickness : > 0.5 mm

Remarks

: The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection

: Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

: Wear as appropriate:
Safety shoes
Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures

: General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Physical state : liquid
Colour : transparent
Odour : characteristic
Odour Threshold : No data available

pH : 3.0 - 4.5

Melting point/freezing point : not determined
Boiling point/boiling range : 212 °F / 100 °C

Flash point : Not applicable

Evaporation rate : not determined

Upper explosion limit : Upper explosion limit
not determined

Lower explosion limit : Lower explosion limit
not determined

Vapour pressure : not determined

Relative vapour density : not determined

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Relative density : No data available

Density : 1.03 g/cm³ (25 °C)

Bulk density : 1.03 g/cm³

Solubility(ies)

Water solubility : not determined

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not determined

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : 100 - 500 mPa.s (20 °C)

Viscosity, kinematic : not determined

Oxidizing properties : Not applicable

Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.

Incompatible materials : Strong acids and strong bases
Oxidizing agents
reactive metals such as aluminum and magnesium

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Inhalation

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exposure

Skin contact

Eye contact

Ingestion

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Product:

Species: Human

Exposure time: 48 h

Method: human patch test

Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result: Slight, transient irritation

Method: Chorioallantoic membrane vascularization assay

Remarks: Unlikely to cause eye irritation or injury.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Test Type: Human Repeat Insult Patch Testing (HRIPT)

Exposure routes: Dermal

Species: Humans

Assessment: Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Product:

Species: Rat

Application Route: Ingestion

Remarks: No significant adverse effects were reported, Information given is based on data obtained from similar substances.

Species: Dog

Application Route: Ingestion

Remarks: No significant adverse effects were reported, Information given is based on data obtained from similar substances.

Reproductive toxicity

Not classified based on available information.

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Product:

Effects on fertility

: Test Type: Three-generation study

Species: Rat

Application Route: Ingestion

Dose: 2000 parts per million

Remarks: No significant adverse effects were reported,
Information given is based on data obtained from similar
substances.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity**Product:**

Species: Rat

50000 ppmw

Application Route: Ingestion

Exposure time: 90 days

Remarks: No adverse effect has been observed in chronic toxicity tests.

Information given is based on data obtained from similar substances.

Species: Dog

2000 ppmw

Application Route: Ingestion

Exposure time: 90 days

Remarks: No adverse effect has been observed in chronic toxicity tests.

Information given is based on data obtained from similar substances.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Further information**Product:**

Remarks: No data available

Carcinogenicity:**IARC**

No component of this product present at levels greater than or
equal to 0.1% is identified as probable, possible or confirmed
human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or
equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or
equal to 0.1% is identified as a known or anticipated carcinogen



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by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish

: NOEC (Danio rerio (zebra fish)): < 10 mg/l
 Exposure time: 96 h
 Method: OECD Test Guideline 203

LC50 (Danio rerio (zebra fish)): 45 mg/l
 Exposure time: 96 h
 Method: OECD Test Guideline 203

Toxicity to daphnia and other
 aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 128 mg/l
 Exposure time: 24 h
 Method: OECD Test Guideline 202

EC50 (Daphnia magna (Water flea)): > 128 mg/l
 Exposure time: 48 h
 Method: OECD Test Guideline 202

Toxicity to algae

: IC50 (Pseudokirchneriella subcapitata (algae)): 0.201 mg/l
 End point: Growth inhibition
 Exposure time: 72 h
 Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (algae)): 0.122 mg/l
 End point: Growth inhibition
 Exposure time: 72 h
 Method: OECD Test Guideline 201

Ecotoxicology Assessment
 Short-term (acute) aquatic
 hazard

: Acute aquatic toxicity Category 3; Harmful to aquatic life.

Long-term (chronic) aquatic
 hazard

: Chronic aquatic toxicity Category 2; Toxic to aquatic life with
 long lasting effects.

Persistence and degradability

Product:

Biodegradability

: Result: Not readily biodegradable.

No data available

Bioaccumulative potential

Product:

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Bioaccumulation : Remarks: Accumulation in aquatic organisms is unlikely.

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological
 information

: An environmental hazard cannot be excluded in the event of
 unprofessional handling or disposal., Harmful to aquatic life.,
 Toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

General advice

: The product should not be allowed to enter drains, water
 courses or the soil.
 Dispose of in accordance with all applicable local, state and
 federal regulations.

Contaminated packaging

: Empty remaining contents.
 Dispose of as unused product.
 Empty containers should be taken to an approved waste
 handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International transport regulations****REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

CFR_RAIL_C

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

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MX_DG

Not dangerous goods

TDG_INWT_C

Not dangerous goods

TDG_RAIL_C

UN	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- Propanaminium, N,N,N- trimethyl-3-[(1-oxo-2- propenyl)amino]-, chloride, homopolymer)	9	III
----	------	---	---	-----

TDG_ROAD_C

UN	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- Propanaminium, N,N,N- trimethyl-3-[(1-oxo-2- propenyl)amino]-, chloride, homopolymer)	9	III
----	------	---	---	-----

U.S. DOT - INLAND WATERWAYS

UN	3082	Environmentally hazardous substance, liquid, n.o.s. (1- Propanaminium, N,N,N- trimethyl-3-[(1-oxo-2- propenyl)amino]-, chloride, homopolymer)	9	III
----	------	--	---	-----

U.S. DOT - ROAD

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UN	3082	Environmentally hazardous substance, liquid, n.o.s. (1-Propanaminium, N,N,N-trimethyl-3-[(1-oxo-2-propenyl)amino]-, chloride, homopolymer)	9	III	MARINE POLLUTANT:(1-Propanaminium, N,N,N-trimethyl-3-[(1-oxo-2-propenyl)amino]-, chloride, homopolymer)
----	------	--	---	-----	---

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no
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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

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SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Pennsylvania Right To Know**

WATER

7732-18-5

1-Propanaminium, N,N,N-trimethyl-3-[(1-
oxo-2-propenyl)amino]-, chloride,
homopolymer

26427-01-0

New Jersey Right To Know

WATER

7732-18-5

1-Propanaminium, N,N,N-trimethyl-3-[(1-
oxo-2-propenyl)amino]-, chloride,
homopolymer

26427-01-0

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

TSCA : For Cosmetic Use Only

AIIC : Personal care

DSL : This product contains one or several components that are not on the Canadian DSL and have annual quantity limits.

ISHL : Not in compliance with the inventory

ENCS : Personal care

KECI : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory



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NZIoC : Not in compliance with the inventory

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

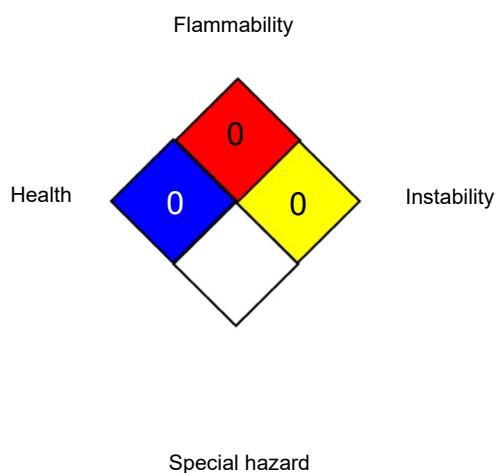
Other regulations

US. Drug Enforcement Administration (DEA) Listed Precursor and Essential Chemicals (21 CFR 1310) Not applicable

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of H-Statements

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,



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Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

This sds has been prepared by Ashland. (<http://www.ashland.com>)

Sources of key data used to compile the Safety Data Sheet : Ashland internal data including own and sponsored test reports
 European Union Law with content from the Official Journal of the European Union.
 European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.
 The German Water Hazard Classes.
 ReachCentrum; a series of support services to help comply with REACH regulations.
 The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.
 The UNECE administers regional agreements implementing


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harmonised classification for labelling (GHS) and transport.
 Cefic, the European Chemical Industry Council.
 ESIS European Chemical Substances Information System

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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