

# SAFETY DATA SHEET



## FINISH AG SPRAYER CLEANER

Version 2.0 / CDN  
102000021458

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Revision Date: 04/23/2018  
Print Date: 04/26/2018

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Trade name** FINISH AG SPRAYER CLEANER

**Product code (UVP)** 79536712

**SDS Number** 102000021458

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

**Use** Cleaner

**Restrictions on use** See product label for restrictions.

#### Information on supplier

**Supplier** Bayer CropScience Inc  
#200, 160 Quarry Park Blvd, SE  
Calgary, Alberta T2C 3G3  
Canada

**Responsible Department** Email: SDSINFO.BCS-NA@bayer.com

#### Emergency telephone no.

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577

**Product Information Telephone Number** 1-888-283-6847

### SECTION 2: HAZARDS IDENTIFICATION

#### Classified in accordance with Part 2 of the Hazardous Products Regulations

Serious eye damage: Category 1

Skin corrosion: Category 1B

Corrosive to metals: Category 1

Health hazards not otherwise classified: Category 1

#### Labelling in accordance with Part 3 of the Hazardous Products Regulations



**Signal word:** Danger

#### Hazard statements

Causes severe skin burns and eye damage.

May be corrosive to metals.

Causes severe damage to the respiratory tract

#### Precautionary statements

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Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Do not breathe mist.  
Wash thoroughly after handling.  
Keep only in original container.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor/ physician.  
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.  
Specific treatment (see supplemental first aid instructions on this label).  
Absorb spillage to prevent material damage.  
Store locked up.  
Store in corrosive resistant container with a resistant inner liner.  
Dispose of contents/container in accordance with local regulation.

**Hazards Not Otherwise Classified (HNOC)**  
No physical hazards not otherwise classified.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Ammonia, aqueous solution	1336-21-6	7.0

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

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### Most important symptoms and effects, both acute and delayed

**Symptoms** Symptoms may be delayed.  
The following symptoms may occur:, corrosive effects, Burns on skin and mucosal tissues, Gastro-intestinal irritation, Irritation, Conjunctivitis, Nausea, Vomiting, Pulmonary oedema, Pain

### Indication of any immediate medical attention and special treatment needed

**Risks** Risk of pneumonia. Risk of pulmonary oedema. Risk of respiratory disorders. Risk of serious damage to the lungs (by inhalation).

**Treatment** Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing media

**Suitable** Water spray, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable** High volume water jet

**Special hazards arising from the substance or mixture** In the event of fire the following may be released:, Ammonia, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>)

### Advice for firefighters

**Special protective equipment for firefighters** Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing. In the event of fire and/or explosion do not breathe fumes.

**Further information** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

**Flash point** No data available

**Auto-ignition temperature** 651 °C / 1203.8 °F

**Lower explosion limit** 16 %(V)

**Upper explosion limit** 25 %(V)

**Explosivity** No data available

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Precautions** Do not breathe vapour. Remove all sources of ignition. Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

#### Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations. Do not use bleach or other chlorination agents.

**Additional advice** Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Handle and open container in a manner as to prevent spillage. Avoid contact with skin, eyes and clothing. Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.

**Advice on protection against fire and explosion** In use, may form flammable/explosive vapour-air mixture. Keep away from heat and sources of ignition.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

#### Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing. Keep away from direct sunlight.

**Advice on common storage** Do not store together with oxidizing agents.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Ammonia, aqueous solution	1336-21-6	25 ppm (TWA)	09 2011	CAD BC OEL
Ammonia, aqueous solution	1336-21-6	35 ppm (STEL)	09 2011	CAD BC OEL
Ammonia, aqueous solution	1336-21-6	25 ppm (TWA)	03 2011	CAD MB OEL
Ammonia, aqueous solution	1336-21-6	35 ppm (STEL)	03 2011	CAD MB OEL
Ammonia, aqueous solution	1336-21-6	25 ppm (TWA)	11 2010	CAD ON OEL
Ammonia, aqueous solution	1336-21-6	35 ppm (STEL)	11 2010	CAD ON OEL

#### Exposure controls

##### Respiratory protection

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

##### Hand protection

Chemical resistant nitrile rubber gloves

##### Eye protection

Chemical resistant goggles must be worn.  
Face-shield

##### Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.

##### General protective measures

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.  
Keep and wash PPE separately from other laundry.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	colourless
Physical State	Liquid
Odor	pungent irritating
Odour Threshold	2 - 50 ppm;
pH	11.4

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<b>Vapor Pressure</b>	258.55 hPa / 193.9 mm Hg at 25 °C 475 hPa / 356.3 mm Hg at 15.5 °C
<b>Vapor Density (Air = 1)</b>	0.6 at 20 °C
<b>Density</b>	0.97 g/cm <sup>3</sup> at 20 °C
<b>Evaporation rate</b>	No data available
<b>Boiling Point</b>	88 °C / 190.4 °F
<b>Melting / Freezing Point</b>	-6 - -5 °C / 21.2 - 23 °F
<b>Water solubility</b>	completely soluble
<b>Solubility in other solvents</b>	soluble in methanol, ethanol
<b>Minimum Ignition Energy</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity</b>	No data available
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	651 °C / 1203.8 °F
<b>Lower explosion limit</b>	16 %(V)
<b>Upper explosion limit</b>	25 %(V)
<b>Explosivity</b>	No data available

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## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

**Thermal decomposition** No data available

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.

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<b>Conditions to avoid</b>	Heat, flames and sparks. Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	Strong acids, Strong bases, Oxidizing agents, Halogenated compounds, Noble metals, Aluminium, Brass, Tin, Zinc
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of: Ammonia Nitrogen oxides (NOx) Carbon oxides

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### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Eye contact, Skin contact, Inhalation, Ingestion
<b>Immediate Effects</b>	
<b>Eye</b>	Liquid or vapor may cause irritation, burns, corneal opacity.
<b>Skin</b>	Causes redness, swelling. Causes burns.
<b>Ingestion</b>	May cause burns to mouth and esophagus, nausea, vomiting, abdominal pain, chest pain. May be harmful if swallowed.
<b>Inhalation</b>	May cause coughing, wheezing, headache, nausea, respiratory tract irritation. May be harmful if inhaled.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	ATE (Mix) (Rat) > 2,000 mg/kg
<b>Acute inhalation toxicity</b>	No data available
<b>Acute dermal toxicity</b>	No data available
<b>Skin irritation</b>	corrosive
<b>Eye irritation</b>	Risk of serious damage to eyes.
<b>Sensitisation</b>	No data available

#### ACGIH

None.

#### NTP

None.

#### IARC

None.

#### OSHA

None.

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### Further information

No further toxicological information is available.

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## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity to fish</b>	LC50 (Pimephales promelas (fathead minnow)) 8.2 mg/l Exposure time: 96 h Information refers to the main component.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia (water flea)) 0.66 mg/l Exposure time: 48 h Information refers to the main component.
<b>Additional ecological information</b>	No further ecological information is available.
<b>Environmental precautions</b>	Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Product</b>	Dispose in accordance with all local, state/provincial and federal regulations. Do not contaminate water, food, or feed by disposal.
<b>Contaminated packaging</b>	Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

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## SECTION 14: TRANSPORT INFORMATION

### TDG

UN number	2672
Labels	8
Packaging group	III
Marine pollutant	Marine pollutant
Proper shipping name	AMMONIA SOLUTION

### 49CFR

UN number	2672
Class	8
Packaging group	III
Proper shipping name	AMMONIA SOLUTION (AMMONIUM HYDROXIDE)



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RQ Reportable Quantity is reached with 14,285 lb of product.

### IMDG

UN number 2672  
Class 8  
Packaging group III  
Marine pollutant YES  
Proper shipping name AMMONIA SOLUTION

### IATA

UN number 2672  
Class 8  
Packaging group III  
Environm. Hazardous Mark NO  
Proper shipping name AMMONIA SOLUTION

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Further Information In accordance with TDG regulations 3.6(3) and 4.22 this product does not require marine pollutant safety marks or shipping documentation reference when transported on land by road or rail.

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## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

#### TSCA list

Ammonia, aqueous solution 1336-21-6

#### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

Not applicable.

#### SARA Title III - Section 302 - Notification and Information

None.

#### SARA Title III - Section 313 - Toxic Chemical Release Reporting

Ammonia, aqueous solution 1336-21-6 1.0%

#### US States Regulatory Reporting

#### CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

#### US State Right-To-Know Ingredients

Ammonia, aqueous solution 1336-21-6 CA, CT, IL, NJ

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### Canadian Regulations

#### Canadian Domestic Substance List

Ammonia, aqueous solution 1336-21-6

### Environmental

#### CERCLA

None.

#### Clean Water Section 307 Priority Pollutants

None.

#### Safe Drinking Water Act Maximum Contaminant Levels

None.

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

TWA	Time weighted average
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
WHO	World health organisation
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
CAS-Nr.	Chemical Abstracts Service number
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
TDG	Transportation of Dangerous Goods
N.O.S.	Not otherwise specified
49CFR	Code of Federal Regulations, Title 49
OECD	Organization for Economic Co-operation and Development
UN	United Nations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
IARC	International Agency for Research on Cancer

### NFPA 704 (National Fire Protection Association):

Health - 3      Flammability - 1      Instability - 0      Others - none

### HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 3      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** Revised according to the current Canadian WHMIS standard (WHMIS 2015).

Prepared by the HSE Department of Bayer CropScience Inc. (306)-721-0310.

**Revision Date:** 04/23/2018

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