

SAFETY DATA SHEET



FINISH AG SPRAYER CLEANER

Version 3.0 / CDN
102000021458

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Revision Date: 05/14/2019
Print Date: 01/29/2022

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

General advice	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Inhalation	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.
Skin contact	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.
Eye contact	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.
Ingestion	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 ₂)
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 ₂), Nitrogen oxides (NO _x)
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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.
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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.
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Flash point	No data available
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Auto-ignition temperature	651 °C / 1203.8 °F
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Lower explosion limit	16 %(V)
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Upper explosion limit	25 %(V)
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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.

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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Vapor Pressure	633.2813525 hPa / 475 mm Hg (15.5 °C) 258.5533 hPa / 193.9 mm Hg (25 °C)
Vapor Density (Air = 1)	0.6 (20 °C)
Density	0.97 g/cm ³ (20 °C)
Evaporation rate	No data available
Boiling Point	88 °C / 190.4 °F
Melting / Freezing Point	-6 - -5 °C / 21.2 - 23 °F
Water solubility	completely soluble
Solubility in other solvents	soluble in methanol, ethanol
Minimum Ignition Energy	No data available
Decomposition temperature	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available
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

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

ACGIH

None.

NTP

None.

IARC

None.

OSHA

None.

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Further information

No further toxicological information is available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)) 8.2 mg/l Exposure time: 96 h Information refers to the main component.
Toxicity to aquatic invertebrates	EC50 (Daphnia (water flea)) 0.66 mg/l Exposure time: 48 h Information refers to the main component.
Additional ecological information	No further ecological information is available.
Environmental precautions	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.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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

SECTION 14: TRANSPORT INFORMATION

TDG	Not dangerous goods / not hazardous material
49CFR	
UN number	3082
Class	9
Packaging group	III
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (AMMONIUM HYDROXIDE)
RQ	Reportable Quantity is reached with 14,285 lb of product.
IMDG	Not dangerous goods / not hazardous material

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IATA Not dangerous goods / not hazardous material

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.

SECTION 15: REGULATORY INFORMATION

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

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

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: The following sections have been revised: Section 14: Transport Information.
Section 15: Regulatory information.

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

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