

**SAFETY DATA SHEET**

Revision Date: 01/11/2023

Print Date: 3/1/2023

SDS Number: 000000247754

actopontine yst™ biofunctional
™ Trademark, Ashland or its subsidiaries, registered
in various countries
847304

Version: 1.6

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**1.1 Product identifier**

Trade name : actopontine yst™ biofunctional
Description : N2022
™ Trademark, Ashland or its subsidiaries, registered in
various countries

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

Recommended use : Personal care

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

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

Hazardous ingredients

Chemical name	CAS-No.	Classification	Concentration (%)
ALCOHOL	254504001-5838	This material is not considered hazardous under the OSHA	>= 30.00 - < 40.00



SAFETY DATA SHEET	Revision Date: 01/11/2023
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actopontine yst™ biofunctional ™ Trademark, Ashland or its subsidiaries, registered in various countries 847304	Version: 1.6

		Hazard Communication Standard (HazCom 2012).	
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The identity and concentration of one or more component(s) is being withheld under business confidentiality.

SECTION 4. FIRST AID MEASURES

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting : No information available.
- Hazardous combustion products : Carbon dioxide (CO2)
Carbon monoxide
Nitrogen oxides (NOx)
Aldehydes
- Specific extinguishing methods :
Standard procedure for chemical fires.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, : Use personal protective equipment.



SAFETY DATA SHEET	Revision Date: 01/11/2023
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protective equipment and
emergency procedures

Environmental precautions : 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 : Wipe up with absorbent material (e.g. cloth, fleece).
containment and cleaning up : Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against : Normal measures for preventive fire protection.
fire and explosion

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the
application area.

Conditions for safe storage : Electrical installations / working materials must comply with
the technological safety standards.

Further information on : Store at room temperature (15 to 25°C), away from light. Use
storage conditions : the whole package after opening. Otherwise, store at 2 to 8°C.
Perform a microbiological analysis before re-using.

Materials to avoid : No materials to be especially mentioned.

Further information on : No decomposition if stored and applied as directed.
storage stability

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

ALCOHOL	254504001- 5838	TWA	5 mg/m3 mist, respirable fraction	OSHA Z-1
		TWA	15 mg/m3 mist, total dust	OSHA Z-1
		PEL	10 mg/m3 Mist - total fraction	CAL PEL
		PEL	5 mg/m3 Mist - respirable fraction	CAL PEL
		TWA	10 mg/m3 Mist - total dust	OSHA P0

**SAFETY DATA SHEET**

Revision Date: 01/11/2023

Print Date: 3/1/2023

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actopontine yst™ biofunctional
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 847304

TWA

5 mg/m3
 Mist - respirable
 fraction

OSHA P0

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Engineering measures : 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.
 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 : Safety glasses
Skin and body protection : Work uniform or laboratory coat.
Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid
Color : No data available
Odor : characteristic
Odor Threshold : No data available

pH : No data available

Melting point/freezing point : not determined
Boiling point/boiling range : not determined
Flash point : not determined

Evaporation rate : not determined

Upper explosion limit : not determined

Lower explosion limit : not determined



SAFETY DATA SHEET	Revision Date: 01/11/2023
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actopontine yst™ biofunctional ™ Trademark, Ashland or its subsidiaries, registered in various countries 847304	Version: 1.6

Vapor pressure	: not determined
Relative vapor density	: not determined
Relative density	: No data available
Density	: not determined
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	: not determined
Viscosity, kinematic	: not determined
Oxidizing properties	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No hazards to be specially mentioned.
	No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Protect from frost, heat and sunlight.
Incompatible materials	: Strong bases Oxidizing agents Strong acids
Hazardous decomposition products	Carbon monoxide Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation Eye contact Skin contact Ingestion
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Acute toxicity

Not classified based on available information.

Components:**ALCOHOL:**

Acute oral toxicity : LD50 (Rat): 12,600 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 570 mg/m³
Exposure time: 1 h
Test atmosphere: vapor
Assessment: Not classified as acutely toxic by inhalation
under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 10 g/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Method: In vitro study

Result: No skin irritation

Method: Patch Test 24 Hrs. on humans: No detectable irritation.

Result: No skin irritation

Components:**ALCOHOL:**

Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Result: No eye irritation

Method: Chorioallantoic membrane vascularization assay

Components:**ALCOHOL:**

Result: Slight, transient irritation

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Product:

Species: Humans

Result: Not a skin sensitizer.



SAFETY DATA SHEET	Revision Date: 01/11/2023
	Print Date: 3/1/2023
	SDS Number: 000000247754
actopontine yst™ biofunctional ™ Trademark, Ashland or its subsidiaries, registered in various countries 847304	Version: 1.6

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

Carcinogenicity:

IARC

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

Components:

ALCOHOL:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,995 mg/l
Exposure time: 48 h

**SAFETY DATA SHEET**

Revision Date: 01/11/2023

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Version: 1.6

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Persistence and degradability**Product:**

Biodegradability : Result: Readily biodegradable.
 Remarks: Expert judgment

Components:**ALCOHOL:**

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 94 %

No data available

Bioaccumulative potential**Components:****ALCOHOL:**

Partition coefficient: n- : log Pow: -1.76
 octanol/water

No data available

Mobility in soil**Components:**

No data available

Other adverse effects

No data available

Product:

Additional ecological : No data available
 information

Components:**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Contaminated packaging : 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

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Revision Date: 01/11/2023

Print Date: 3/1/2023

SDS Number: 000000247754

Version: 1.6

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 847304

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

MX_DG

Not dangerous goods

TDG_INWT_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

U.S. DOT - ROAD

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant

no

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.

	Page: 10
SAFETY DATA SHEET	Revision Date: 01/11/2023
	Print Date: 3/1/2023
	SDS Number: 000000247754
actopontine yst™ biofunctional ™ Trademark, Ashland or its subsidiaries, registered in various countries 847304	Version: 1.6

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

EPCRA - Emergency Planning and Community Right-to-Know

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.

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

ALCOHOL 254504001-5838

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

WATER 7732-18-5

New Jersey Right To Know

ALCOHOL 254504001-5838

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WATER 7732-18-5

California Prop. 65

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



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actopontine yst™ biofunctional ™ Trademark, Ashland or its subsidiaries, registered in various countries 847304	Version: 1.6

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

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: On the inventory, or 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)

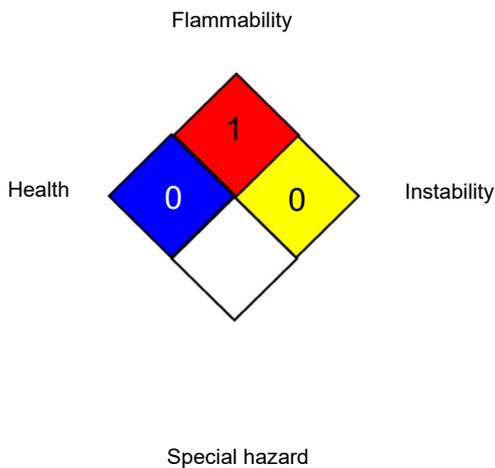
Other regulations

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

SECTION 16. OTHER INFORMATION

Further information

	Page: 12
SAFETY DATA SHEET	Revision Date: 01/11/2023
	Print Date: 3/1/2023
	SDS Number: 000000247754
actopontine yst™ biofunctional ™ Trademark, Ashland or its subsidiaries, registered in various countries 847304	Version: 1.6

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, 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 -



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

Revision Date : 01/11/2023

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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