

Bectron® 300 Thinner

Version 1

Revision Date 02/07/2014

Print Date 02/07/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Bectron® 300 Thinner
Product Use Description : Resin Reducer

Company : ELANTAS PDG, INC.
5200 North 2nd Street
St. Louis MO 63147

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SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid
Colour : colourless
Odour : ether-like
Hazard Summary : MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE BIRTH DEFECTS.
FLAMMABLE.

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR1910.1200)

Potential Health Effects

Eyes : May cause mild eye irritation.
Direct contact with the product or exposure to vapors or mist may cause stinging, tearing and redness.

Skin : May cause mild skin irritation
Can cause irritation which may include the following symptoms: reddening, swelling, rash, scaling or blistering.

Ingestion : May be harmful if swallowed.

Inhalation : May cause upper respiratory tract irritation.

Chronic Exposure : Prolonged exposure can be harmful for certain organs, e.g. liver, kidneys, blood, nervous system and skin.
This product may cause adverse reproductive effects.

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Aggravated Medical Condition : Respiratory disorders
 Kidney disorders
 Liver disorders

Primary Routes of Entry : Inhalation
 Skin contact
 Eyes

Carcinogenicity:

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.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Environmental Effects

Environmental Effects : No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical nature

Glycol Ether

Hazardous components

Component	CAS-No.	Weight percent
1-Methoxy-2-propanol acetate	108-65-6	60.00 - 100.00
2-Methoxy-1-propanol acetate (impurity)	70657-70-4	0.10 - 1.00

SECTION 4. FIRST AID MEASURES
First aid procedures

Inhalation : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a

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- physician.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash and thoroughly clean contaminated clothing and shoes before reuse. Consult a physician.
- Eye contact : In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Consult a physician.
- Ingestion : If swallowed, consult a physician. This material (or its components) may present an aspiration hazard. Never give anything by mouth to an unconscious person.

Notes to physician

- Risks : No information available.

SECTION 5. FIREFIGHTING MEASURES
Flammable properties

- Flash point : 45 °C (113.9 °F)
 Method: 8 (Setaflash)
 Tested
- Lower explosion limit : 1.5 %(V)
- Upper explosion limit : 7.0 %(V)
- Suitable extinguishing media : Carbon dioxide (CO2)
 Foam
 Dry powder
 Water mist
 Water spray
- Unsuitable extinguishing media : Do NOT use water jet.
- Special protective equipment for firefighters : Wear a positive-pressure supplied-air respirator with full facepiece.
 Use personal protective equipment.
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
 Cool containers / tanks with water spray.
 Flash back possible over considerable distance.
 The pressure in sealed containers can increase under the influence of heat.

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Cool closed containers exposed to fire with water spray.

- Hazardous decomposition products due to incomplete combustion : Carbon oxides
nitrogen oxides (NO_x)
- Further information : Remove ignition sources
Immediately evacuate personnel to safe areas.
Use a water spray to cool fully closed containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.
Ensure adequate ventilation.
Avoid breathing vapors.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Clean contaminated floors and objects thoroughly while observing environmental regulations.
- Methods for containment : Stop leak. Dike and contain spill.
- Methods for cleaning up : Absorb with inert absorbent material and dispose of in accordance with applicable regulations.
- Additional advice : Shut off source of spill if it can be done safely.
Use non-sparking tools.

SECTION 7. HANDLING AND STORAGE**Handling**

- Handling : Keep closure tight and container upright to prevent leakage.
Store container out of sunlight and away from heat, sparks and flame.
Store only in well-ventilated areas.
Containers should be grounded when being emptied.
Never use pressure to empty.
Container is not a pressure vessel.
Do not puncture, drag, or slide container.
ATTENTION: Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.
Avoid contact with or breathing of vapors during curing process.
Do not get in eyes.
Prevent repeated or prolonged breathing of vapor or spray mist.

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Storage

Advice on common storage : Do not store above 49°C (120 °F).

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

Components	CAS-No.	Value	Control parameters	Update	Basis
1-Methoxy-2-propanol acetate	108-65-6	TWA	50 ppm	2008-01-01	US WEEL

Engineering measures

 Engineering measures : Use with adequate ventilation.
 All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)

Personal protective equipment

- Eye protection : Use safety eyewear designed to protect against splash of liquids.
 Ensure that eyewash stations and safety showers are close to the workstation location.
- Hand protection : Impervious gloves
- Skin and body protection : Impervious clothing
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Wear an appropriate, properly-fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates that vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use.
- Hygiene measures : Do not get in eyes.
 Do not get on skin.
 Avoid prolonged or repeated breathing of vapour.
 Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

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Colour	: colourless
Odour	: ether-like
Odor Threshold	: no data available
Flash point	: 45 °C (113.9 °F) Method: 8 (Setaflash) Tested
Ignition temperature	: no data available
Lower explosion limit	: 1.5 %(V)
Upper explosion limit	: 7.0 %(V)
Molecular weight	: 132.16 g/mol
pH	: no data available : 140 - 150 °C (284 - 302 °F)
Boiling point	: no data available
Vapour pressure	: 5.22 hPa
Evaporation rate	: no data available
Density	: 0.969 g/cm ³ at 20 °C (68 °F) (1,013 hPa)
Bulk density	: 969 kg/m ³
Partition coefficient: n-octanol/water	: no data available
Relative vapour density	: 4.6

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid	: Strong oxidizing agents Reducing agents
Hazardous decomposition products	: Carbon dioxide, carbon monoxide and toxic vapors. nitrogen oxides (NO _x)
Chemical stability	: Stable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Component)	: Component: 108-65-6 1-Methoxy-2-propanol acetate LD50 rat Dose: 5,155 mg/kg
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Acute dermal toxicity (Component)	:	Component: 108-65-6 1-Methoxy-2-propanol acetate LD50 rabbit Dose: > 5,000 mg/kg
Acute inhalation toxicity (Component)	:	Component: 108-65-6 1-Methoxy-2-propanol acetate LC50 rat Dose: > 100 ppm Exposure time: 4 h
Skin irritation (Component)	:	Component: 108-65-6 1-Methoxy-2-propanol acetate rabbit Result: Moderate skin irritation
Eye irritation(Component)	:	Component: 108-65-6 1-Methoxy-2-propanol acetate rabbit Result: Eye irritation

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information (Product) : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with applicable Federal, State, and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. Consult your attorney or appropriate regulatory affairs officer for information on proper disposal.

SECTION 14. TRANSPORT INFORMATION

DOT	UN Number	:	3272
	Proper shipping name	:	ESTERS, N.O.S. (1-Methoxy-2-propanol acetate)
	Class	:	3
	Packing group	:	III
	Emergency Response Guidebook Number	:	127
IATA	UN Number	:	3272
	Description of the goods	:	ESTERS, N.O.S. (1-Methoxy-2-propanol acetate)
	Class	:	3

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Packing group : III
 ICAO-Labels : 3
 Packing instruction (cargo aircraft) : 366
 Packing instruction (passenger aircraft) : 355
 Package Instruction (Limited quantity) : Y344

IMDG UN Number : UN 3272
 Description of the goods : ESTERS, N.O.S.
 (1-Methoxy-2-propanol acetate)
 Class : 3
 Packing group : III
 IMDG-Labels : 3
 EmSNumber1 : F-E
 EmSNumber2 : S-D
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

HMIS Classification : Health hazard: 1
 Chronic Health Hazard: *
 Flammability: 2
 Reactivity: 0
 PPI: Safety Glasses, Gloves

Emergency Planning Community Right-To-Know (EPCRA)

SARA 302 Components : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

If listed below, this product contains toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

SARA 311/312 Hazards : Acute Health Hazard
 Chronic Health Hazard
 Fire Hazard

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.
SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.
SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

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Toxic Substances Control Act (TSCA)

TSCA Status : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720.30(h).

:

Clean Air Act & Related Information

Non-volatile (Wt) : Method: Refer to the product technical data sheet for VOC information.

Non-volatile information is not a specification.

Hazardous Air Pollutants

If not listed above, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage.

Resource Conservation and Recovery Act

EPA Hazardous Waste Code(s) : D001 Ignitable

State Laws

Massachusetts Right To Know Components : No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components : 1-Methoxy-2-propanol acetate 108-65-6

New Jersey Right To Know Components : 1-Methoxy-2-propanol acetate 108-65-6

New Jersey Trade Secret Registry Number for the product (NJ TSRN) :

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Environmental Protection Act

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Domestic Substances List

DSL Status

: We certify that all of the components of this product are listed on the DSL.

WHMIS Classification

: B3

SECTION 16. OTHER INFORMATION

Further information

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.