

SAFETY DATA SHEET

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

- 1.1. Product identifier:
Astrolane EZ Base Coat Activator

Product Code: 62860100000-A
- 1.2. Relevant identified uses of the mixture and uses advised against:
Two pack performance coatings. Restricted to professional users.
- 1.3. Details of the supplier of the safety data sheet:
Brunswick Bowling Products, LLC
525 W. Laketon Ave.
Muskegon, MI 49441. USA
- 1.3.1. Responsible person: -
E-mail: brunswick.hu@brunswickbowling.com
- 1.4. Emergency telephone number: 24 hour Emergency Telephone No.: CHEMTEL +1 813-248-0585
Customer Service: Brunswick Bowling Products, LLC: 231-725-4966

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the mixture:

Classification according to Regulation 1272/2008/EC (CLP):
Flammable Liquids 3 – H226
Acute toxicity 4 – H332
Skin irritation 2 – H315
Eye irritation 2 – H319
Respiratory sensitisation 1 – H334
Skin sensitisation 1 – H317
Specific target organ toxicity (STOT) – single exposure 3 – H335
Carcinogenicity 2 – H351
Reproductive toxicity 1B – H360D
Specific target organ toxicity (STOT) – repeated exposure 2 – H373

Warning H statements:

- H226** – Flammable liquid and vapour.
H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H332 – Harmful if inhaled.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 – May cause respiratory irritation.
H351 – Suspected of causing cancer.
H360D – May damage the unborn child.
H373 – May cause damage to organs through prolonged or repeated exposure.

- 2.2. Label elements:

Components which define the hazards: Diphenylmethane diisocyanate, mixed isomers; 1-methyl-2-pyrrolidone



DANGER**Warning H statements:****H226** – Flammable liquid and vapour.**H315** – Causes skin irritation.**H317** – May cause an allergic skin reaction.**H319** – Causes serious eye irritation.**H332** – Harmful if inhaled.**H334** – May cause allergy or asthma symptoms or breathing difficulties if inhaled.**H335** – May cause respiratory irritation.**H351** – Suspected of causing cancer.**H360D** – May damage the unborn child.**H373** – May cause damage to organs through prolonged or repeated exposure.**Precautionary P statements:****P201** – Obtain special instructions before use.**P202** – Do not handle until all safety precautions have been read and understood.**P210** – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P235** – Keep cool.**P243** – Take precautionary measures against static discharge.**P261** – Avoid breathing dust/ fume/gas/mist/ vapours/spray.**P271** – Use only outdoors or in a well-ventilated area.**P280** – Wear protective gloves/ eye protection/face protection.**P303 + P361 + P353** – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**P333 + P313** – If skin irritation or rash occurs: Get medical advice/ attention.**P304 + P340 + P312** – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.**P305 + P351 + P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P337 + P313** – If eye irritation persists: Get medical advice/attention.**P321** – Specific treatment (see information on this label).**P308 + P313** – IF exposed or concerned: Get medical advice/attention.**P362 + P364** – Take off contaminated clothing and wash it before reuse.**P370 + P378** – In case of fire: Use extinguishing media listed in section 5 of SDS to extinguish.**P403 + P233** – Store in a well-ventilated place. Keep container tightly closed.**P405** – Store locked up.**P501** – Dispose of contents/container in accordance with local/national regulations.

"Restricted to professional users".

2.3. Other hazards:

The product has no other known specific hazards for human or environment.

Results of PBT and vPvB assessment: this product contains no PBT/vPvB chemicals.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.1. Substance:

Not applicable.

3.2. Mixture:

Description	CAS number	EU number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase

Diphenylmethane diisocyanate, mixed isomers Index number: 615-005-00-9	26447-40-5	247-714-0	-	25-50	GHS08 GHS07 Danger	Carc. 2 Acute Tox. 4 STOT RE 2 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Resp. Sens. 1 Skin Sens. 1	H351 H332 H373 H319 H335 H315 H334 H317
Propylene glycol monomethyl ether acetate* Index number: 607-195-00-7	108-65-6	203-603-9	-	25 - 50	GHS02 Warning	Flam. Liq. 3	H226
1-methyl-2-pyrrolidone* Index number: 606-021-00-7	872-50-4	212-828-1	-	0,1 - 1	GHS08 GHS07 Danger	Repr. 1B Eye Irrit. 2 STOT SE 3 Skin Irrit. 2	H360D H319 H335 H315

*: Substance having occupational exposure limit value.

Specific concentration limit:

1-methyl-2-pyrrolidone
STOT SE 3; H335: C ≥ 10 %

Diphenylmethane diisocyanate, mixed isomers

Eye Irrit. 2; H319: C ≥ 5 %
Skin Irrit. 2; H315: C ≥ 5 %
Resp. Sens. 1; H334: C ≥ 0,1 %
STOT SE 3; H335: C ≥ 5 %

For the full text of H phrases: see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General:

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

IN CASE OF INGESTION:

Measures:

- Not an expected route of exposure.

IN CASE OF INHALATION:

Measures:

- Remove to fresh air, keep patient warm and at rest.
- If breathing is irregular or stopped, give artificial respiration.
- If unconscious place in the recovery position and obtain immediate medical attention.
- Give nothing by mouth.

IN CASE OF SKIN CONTACT:

Measures:

- Wash immediately with soap and water, removing contaminated clothes and shoes.
- Wash contaminated clothing before reuse.
- In case of skin irritation or allergic reactions, see a physician.

IN CASE OF EYE CONTACT:

Measures:

- In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 15 minutes).
- Obtain medical help.

4.2. Most important symptoms and effects, both acute and delayed:

Overview:

Inhalation: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms of breathing difficulties if inhaled.

Eyes: Causes serious eye irritation.

Skin: May cause an allergic skin reaction. Causes skin irritation.

Protection of First-Responders:

Avoid contact with skin, eyes and clothing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; use artificial respiration with the aid of a pocket mask equipped with a one-way valve or other respiratory medical device.

- 4.3. Indication of any immediate medical attention and special treatment needed:
Treat symptomatically. May cause sensitization by inhalation and skin contact.

SECTION 5: FIREFIGHTING MEASURES

- 5.1. Extinguishing media:
5.1.1. Suitable extinguishing media:
Foam, CO₂, dry chemical.
5.1.2. Unsuitable extinguishing media:
None known.
- 5.2. Special hazards arising from the substance or mixture:
Thermal decomposition can lead to the release of irritating gases and vapors.
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Avoid breathing dust / fume / gas / mist / vapors / spray.
- 5.3. Advise for firefighters:
Use self-contained breathing apparatus.
Use water for cooling container to prevent pressure build up, auto-ignition, or explosion.
Avoid the spread of burning liquid with water.
ERG Guide No. 127

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures:
6.1.1. For non-emergency personnel:
Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.
6.1.2. For emergency responders:
Avoid contact with skin, eyes and clothing.
Do not take internally.
Ensure adequate ventilation.
Avoid prolonged breathing of vapours.
- 6.2. Environmental precautions:
Do not allow spills to enter drains or waterways.
- 6.3. Methods and material for containment and cleaning up:
Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.
Collect the spilled product with non-combustible absorbent (e.g. sand, earth, and vermiculite), then place into a suitable, closed, properly labelled chemical waste container for removal/disposal.
- 6.4. Reference to other sections:
For further and detailed information see section 8 and 13.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling:
Observe conventional hygiene precautions.
Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.
Examination of lung function should be carried out on a regular basis on persons applying this preparation.
Wash hands before eating, drinking, smoking or using toilet.
Promptly remove soiled clothing and wash thoroughly before reuse.
Use personal protective equipment.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Technical measures:
Ensure adequate ventilation.
Use only outdoors or in a well-ventilated area.

Precautions against fire and explosion:

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion - proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

See section 2 for further details.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Handle containers carefully to prevent damage and spillage.

Precautions should be taken to minimize exposure to atmospheric humidity or water as carbon dioxide may be formed which, in closed containers can result in pressurization.

Care should be taken when re-opening partly used containers.

Store in a well-ventilated place.

Keep cool.

Incompatible materials: none known.

Packaging material: no special prescriptions.

See section 2 for further details.

7.3. Specific end use(s):

No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values:

Propylene glycol monomethyl ether acetate (CAS: 108-65-6): 8 hours: 275 mg/m³, 50 ppm; Short term: 550 mg/m³, 100 ppm; skin (2000/39/EC)

1-methyl-2-pyrrolidone (CAS: 872-50-4): 8 hours: 40 mg/m³, 10 ppm; Short term: 80 mg/m³, 20 ppm; skin (2009/161/EC)

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
no data available	no data available	Dermal	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Inhalative	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Oral	Short term (acute) Long term (repeated)	no data available

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1 Appropriate engineering controls:

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Examination of lung function should be carried out on a regular basis on persons applying this preparation.

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. Provide eye bath and safety shower. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

8.2.2. Individual protection measures, such as personal protective equipment:

1. Eye/face protection: use appropriate protective glasses with side shields (EN 166).
2. Skin protection:
 - a. Hand protection: use appropriate chemical resistant protective gloves (where risk of splashing) (EN 374).
 - b. Other: use appropriate chemical resistant protective boots and apron (where risk of splashing).
3. Respiratory protection: if exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
4. Thermal hazards: none known.

8.2.3. Environmental exposure controls:

No specific prescription.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter		Test method:	Remarks:
1. Appearance:	light yellow liquid		
2. Odour:	mild, solvent		
3. Odour threshold:	no data available		
4. pH value:	no data available		
5. Melting point/ freezing point:	no data available		
6. Initial boiling point and boiling range:	159,4-313,8 °C (319-597 °F)		
7. Flash point:	40 °C/104 °F	TCC	
8. Evaporation rate:	no data available		
9. Flammability (solid, gas):	not applicable		
10. Upper/lower flammability or explosive limits:	Lower: 0,3 % Upper: 12,6 %		
11. Vapour pressure:	no data available		
12. Vapour density:	no data available		
13. Relative density:	1,1	H ₂ O = 1	
14. Solubility(ies):	no data available		
15. Partition coefficient: n-octanol/water:	no data available		
16. Auto-ignition temperature:	no data available		
17. Decomposition temperature:	no data available		
18. Viscosity:	no data available		
19. Explosive properties:	no data available		
20. Oxidizing properties:	no data available		

9.2. Other information:

VOC: 370 g/L

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Polymerization can occur.

10.2. Chemical stability:

- Stable within normal temperature and general work conditions.
- 10.3. Possibility of hazardous reactions:
None known.
- 10.4. Conditions to avoid:
Keep away from open flames, hot surfaces and sources of ignition. No smoking.
Take precautionary measures against static discharge.
- 10.5. Incompatible materials:
None known.
- 10.6. Hazardous decomposition products:
Thermal decomposition can lead to the release of irritating gases and vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:
Acute toxicity: harmful if inhaled.
Skin corrosion/irritation: causes skin irritation.
Serious eye damage/eye irritation: causes serious eye irritation.
Respiratory or skin sensitisation: may cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity: none known.
Carcinogenicity: suspected of causing cancer.
Reproductive toxicity: may damage the unborn child.
STOT-single exposure: may cause respiratory irritation.
STOT-repeated exposure: may cause damage to organs through prolonged or repeated exposure.
Aspiration hazard: none known.
- 11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:
No data available.
- 11.1.2. Relevant toxicological properties of the hazardous substances:
Acute toxicity:
Diphenylmethane diisocyanate, mixed isomers (CAS: 26447-40-5):
LD50 (oral, rat): 6400 mg/kg
LD50 (dermal, rabbit): 6200 mg/kg
Propylene glycol monomethyl ether acetate (CAS: 108-65-6):
LD50 (oral, rat): 8532 mg/kg
LD50 (dermal, rabbit): 5000 mg/kg
1-methyl-2-pyrrolidone (CAS: 872-50-4):
LD50 (oral, rat): 3914 mg/kg
LD50 (dermal, rabbit): 8000 mg/kg
LC50 (inhalation, rat): 5100 ppm (vapour)
Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Carcinogen data:

CAS No.	Ingredient	Source	Value
108-65-6	Propylene glycol monomethyl ether acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
872-50-4	1-methyl-2-pyrrolidone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
26447-40-5	Diphenylmethane diisocyanate, mixed isomers	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No

- 11.1.3. Information on likely routes of exposure:
Ingestion, inhalation, skin contact, eye contact.
- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

Based on the properties of the isocyanate content of this product, respiratory exposure may cause acute irritation and/or sensitization of the respiratory system resulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanates well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May damage the unborn child.

Suspected of causing cancer.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.1.8. Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

No data available about the product.

Information about the components:

Diphenylmethane diisocyanate, mixed isomers (CAS: 26447-40-5):

EC50 (Dendronereides heteropoda): 1000 mg/l/48 h

ErC50 (Chlorella vulgaris): 4300 mg/l/72 ó

Propylene glycol monomethyl ether acetate (CAS: 108-65-6):

LC50 (Salmo gairdneri): 100 mg/l/96 h

EC50 (Daphnia magna): 500 mg/l/48 h

1-methyl-2-pyrrolidone (CAS: 872-50-4):

LC50 (Leuciscus idus): 500 mg/l/96 h

EC50 (Daphnia magna): 1,23 mg/l/48 h

ErC50 (Scenedesmus subspicatus): 500 mg/l/72 ó

12.2. Persistence and degradability:

No data available.

12.3. Bioaccumulation potential:

No data available.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:

Observe all federal, state and local regulations when disposing of this product.

European Waste Code:

For this product no waste disposal key according the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The European waste code number has to be determined after a discussion with a specialist dealing with waste disposal.

13.1.2. Information regarding the disposal of the packaging:

Dispose according to the relevant regulations.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

None known.

13.1.4. Sewage disposal:

None known.

13.1.5. Special precautions for any recommended waste treatment:

No data available.

SECTION 14: TRANSPORT INFORMATION

- 14.1. UN Number:
1263
- 14.2. UN proper shipping name:
PAINT
- 14.3. Transport hazard class(es):
3
Packing Instruction: 355
- 14.4. Packaging group:
III
- 14.5. Environmental hazards:
Marine Pollutant: no.
- 14.6. Special precautions for user:
No relevant information available.
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
Not applicable.

SECTION 15: REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SVHC (Substances of Very High Concern): 1-methyl-2-pyrrolidone (CAS: 872-50-4)

The mixture contains a component, which is listed in Annex XVII of the Regulation 1907/2006 / EC of the European Parliament and of the Council, therefore it is subject to restrictions:

1-methyl-2-pyrrolidone (CAS: 872-50-4) (see Reg. 552/2009/EC, item nr. 30 - Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B);
Diphenylmethane diisocyanate, mixed isomers (CAS: 26447-40-5) (see Reg. 552/2009/EC, item nr. 56)

- 15.2. Chemical safety assessment: no information available.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:

The safety data sheet has been revised according to Regulation (EU) 2015/830 (Section 1-16).

The classification of the components and the mixture have been amended according to Regulation 1272/2008/EC (CLP) and its amendments.

Full text of the abbreviations in the safety data sheet:

DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: carcinogenicity, mutagenicity and toxicity for reproduction. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent, Very Bioaccumulative. n.d.: not defined. n.a.: not applicable.

Data sources: previous version of the safety data sheet (11. 09. 2016.)

Methods used for the classification according to Regulation 1272/2008/EC:

Flammable Liquids 3 – H226	Based on test methods (test data)
Acute toxicity 4 – H332	Based on calculation method
Skin irritation 2 – H315	Based on calculation method

Eye irritation 2 – H319	Based on calculation method
Respiratory sensitisation 1 – H334	Based on calculation method
Skin sensitisation 1 – H317	Based on calculation method
Specific target organ toxicity (STOT) – single exposure 3 – H335	Based on calculation method
Specific target organ toxicity (STOT) – repeated exposure 2 – H373	Based on calculation method
Reproductive toxicity 1B – H360D	Based on calculation method
Carcinogenicity 2 – H351	Based on calculation method

Relevant H-Phrases (number and full text) of Section 2 and 3:

H226 – Flammable liquid and vapour.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 – May cause respiratory irritation.

H351 – Suspected of causing cancer.

H360D – May damage the unborn child.

H373 – May cause damage to organs through prolonged or repeated exposure.

Training advice: no data available.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

Safety data sheet was prepared by: ToxInfo Kft.

Professional help regarding the explanation of the safety data sheet:
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