

## SAFETY DATA SHEET

# DuraSlic EASE Ceramic Coating

## SECTION 1: IDENTIFICATION

### 1.1. Product identifier

<i>Trade name:</i>	DuraSlic EASE Ceramic Coating
<i>Other names / Synonyms:</i>	EASE Ceramic Coating
<i>Product no.:</i>	EASE Ceramic Coating

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

<i>Relevant identified uses of the substance or mixture:</i>	Ceramic Protective Coating Restricted to professional users.
<i>Uses advised against :</i>	None known.

### 1.3. Details of the supplier of the safety data sheet

<i>Company and address:</i>	<b>Florida CirTech</b> 1776 Mentor Ave. 45212 Cincinnati, OH United States
<i>Contact person:</i>	Sven Bock
<i>E-mail:</i>	sbock@fctcompanies.com
<i>SDS date:</i>	7/2/2025
<i>SDS Version:</i>	1.0
<i>Date of previous version:</i>	7/2/2025 (1.0)

### 1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case  
See also section 4 "First aid measures".

## SECTION 2: HAZARD(S) IDENTIFICATION

### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.  
Flam. Liq. 4; H227, Combustible liquid  
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.  
Skin Irrit. 2; H315, Causes skin irritation.  
Eye Irrit. 2; H319, Causes serious eye irritation.  
STOT SE 3; H336, May cause drowsiness or dizziness.  
Repr. 2; H361, Suspected of damaging fertility or the unborn child.  
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

## 2.2. Label elements

*Hazard pictogram(s):*



*Signal word:*

Danger

*Hazard statement(s):*

Flammable liquid and vapour. (H226)  
Combustible liquid (H227)  
May be fatal if swallowed and enters airways. (H304)  
Causes skin irritation. (H315)  
Causes serious eye irritation. (H319)  
May cause drowsiness or dizziness. (H336)  
Suspected of damaging fertility or the unborn child. (H361)  
May cause damage to organs through prolonged or repeated exposure. (H373)

*Precautionary statement(s):*

*General:*

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*Prevention:*

Obtain special instructions before use. (P201)  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
Do not breathe vapour/mist. (P260)  
Wash hands thoroughly after handling. (P264)  
Wear eye protection/protective gloves. (P280)

*Response:*

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
IF exposed or concerned: Get medical advice/attention. (P308+P313)  
Call a POISON CENTER/doctor if you feel unwell. (P312)  
Get medical advice/attention if you feel unwell. (P314)  
Do NOT induce vomiting. (P331)  
If eye irritation persists: Get medical advice/attention. (P337+P313)  
In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)

*Storage:*

Store in a well-ventilated place. Keep container tightly closed. (P403+P233)  
Store in a well-ventilated place. Keep cool. (P403+P235)

*Disposal:*

Dispose of contents/container in accordance with local regulation. (P501)

*Additional labelling:*

Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

Product/substance	Identifiers	% w/w	Classification	Note
n-hexane	CAS No.: 110-54-3	80-95%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361 STOT RE 2, H373	
4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	CAS No.: 98-56-6	10-15%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
tert-butyl acetate;isobutyl acetate;sec-butyl acetate	CAS No.: 540-88-5	1-3%	Flam. Liq. 2, H225 Repeated exposure may cause skin dryness or cracking	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

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## SECTION 4: FIRST-AID MEASURES

### 4.1. Description of first aid measures

#### *General information:*

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### *Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### *Skin contact:*

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### *Eye contact:*

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

**Ingestion:**

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

**Burns:**

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

IF exposed or concerned:

Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

**5.2. Special hazards arising from the substance or mixture**

Flammable liquid and vapour.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds

Carbon oxides (CO / CO<sub>2</sub>)

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Storages not yet ignited must be cooled by water mist. Remove flammable materials if

conditions allow it. Ensure sufficient ventilation.  
Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Avoid inhalation of vapours from spilled material.  
Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

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**SECTION 7: HANDLING AND STORAGE**

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**7.1. Precautions for safe handling**

Ground and bond container and receiving equipment.  
Use explosion-proof [electrical/lighting/ventilating] equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Avoid direct contact with the product.  
Avoid contact during pregnancy and while nursing.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

**7.2. Conditions for safe storage, including any incompatibilities**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

*Recommended storage material:* Always store in containers of the same material as the original container.

*Storage conditions:* No specific requirements.

*Incompatible materials:* Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**8.1. Control parameters**

tert-butyl acetate;isobutyl acetate;sec-butyl acetate

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 950

Long term exposure limit (OSHA Table Z-1) (ppm): 200

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

<i>General recommendations:</i>	Smoking, drinking and consumption of food is not allowed in the work area.
<i>Exposure scenarios:</i>	There are no exposure scenarios implemented for this product.
<i>Exposure limits:</i>	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
<i>Appropriate technical measures:</i>	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.
<i>Hygiene measures:</i>	Take off contaminated clothing and wash it before reuse.
<i>Measures to avoid environmental exposure:</i>	Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

<i>Generally:</i>	No specific requirements.
<i>Respiratory Equipment:</i>	No specific requirements.
<i>Skin protection:</i>	No specific requirements.
<i>Hand protection:</i>	No specific requirements.
<i>Eye protection:</i>	No specific requirements.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	Liquid
<i>Color:</i>	No data available.
<i>Odor:</i>	No data available.
<i>Odor threshold (ppm):</i>	No data available.
<i>pH:</i>	No data available.
<i>Density (g/cm<sup>3</sup>):</i>	No data available.
<i>Kinematic viscosity:</i>	No data available.
<i>Particle characteristics:</i>	Does not apply to liquids.

## Phase changes

<i>Melting point/freezing point (°F):</i>	No data available.
<i>Softening point/range (°F):</i>	Does not apply to liquids.
<i>Boiling point (°F):</i>	No data available.
<i>Vapor pressure:</i>	No data available.
<i>Relative vapor density:</i>	No data available.
<i>Decomposition temperature (°F):</i>	No data available.

## Data on fire and explosion hazards

<i>Flash point (°F):</i>	No data available.
<i>Flammability (°F):</i>	The material is ignitable.
<i>Auto-ignition temperature (°F):</i>	No data available.
<i>Explosion limits (% v/v):</i>	No data available.

## Solubility

<i>Solubility in water:</i>	No data available.
<i>n-octanol/water coefficient (LogKow):</i>	No data available.
<i>Solubility in fat (g/L):</i>	No data available.

## 9.2. Other information

<i>Other physical and chemical parameters:</i>	No data available.
<i>Oxidizing properties:</i>	No data available.

# SECTION 10: STABILITY AND REACTIVITY

## 10.1. Reactivity

No data available.

## 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

## 10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

## 10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

## 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Skin sensitisation**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Suspected of damaging fertility or the unborn child.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Other information**

None known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Based on available data, the classification criteria are not met.

**12.2. Persistence and degradability**

Based on available data, the classification criteria are not met.

**12.3. Bioaccumulative potential**

Based on available data, the classification criteria are not met.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

## 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)



None of the components are listed

### Specific labelling


### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
DOT	UN1993	FLAMMABLE LIQUID, N.O.S. (n-hexane, 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene)	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (n-hexane, 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene)	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1993	FLAMMABLE LIQUID, N.O.S. (n-hexane, 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene)	Transport hazard class: 3 Label: 3 Classification code: F1	III	No	See below for additional information.

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
						I informati on.

\* Packing group

\*\* Environmental hazards

#### Additional information

This product is within scope of the regulations of transport of dangerous goods.  
 DOT / See § 172.101 Hazardous Materials Table for any information on special provisions, requirements, or warnings in connection with transport. See § 172.602, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.  
 IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.  
 IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to IMO instruments

No data available.

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.2. U.S. Federal regulations

<i>TSCA (the non-confidential portion):</i>	4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene is listed tert-butyl acetate;isobutyl acetate;sec-butyl acetate is listed
<i>Clean Air Act:</i>	None of the components are listed
<i>EPCRA Section 302:</i>	None of the components are listed
<i>EPCRA Section 304:</i>	None of the components are listed
<i>EPCRA section 313:</i>	None of the components are listed
<i>CERCLA:</i>	tert-butyl acetate;isobutyl acetate;sec-butyl acetate is regulated with a Reportable Quantity (RQ) of: 5000 pounds
<i>Hazardous chemical inventory reporting:</i>	This product is subject to Tier II reporting.

#### State regulations

<i>California / Prop. 65:</i>	4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene is known to cause: Cancer —
<i>Massachusetts / Right To Know Act:</i>	tert-butyl acetate;isobutyl acetate;sec-butyl acetate is listed
<i>New Jersey / Right To Know Act:</i>	tert-butyl acetate;isobutyl acetate;sec-butyl acetate / Substance number: 1786 tert-butyl acetate;isobutyl acetate;sec-butyl acetate is on the Special Health Hazard Substance List

*New York / Right To Know Act:*

—  
 tert-butyl acetate;isobutyl acetate;sec-butyl acetate is listed  
 tert-butyl acetate;isobutyl acetate;sec-butyl acetate is  
 regulated with a Reportable Quantity (RQ) of: 5000 pounds  
 tert-butyl acetate;isobutyl acetate;sec-butyl acetate is  
 regulated with a Treshold Reporting Quantity (TRQ) of: 10  
 pounds

*Pennsylvania / Right To Know Act:*

—  
 tert-butyl acetate;isobutyl acetate;sec-butyl acetate is listed  
 tert-butyl acetate;isobutyl acetate;sec-butyl acetate is  
 hazardous to the environment (E)

#### **15.4. Restrictions for application**

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### **15.5. Demands for specific education**

No specific requirements.

#### **15.6. Additional information**

Not applicable.

#### **15.7. Chemical safety assessment**

No

#### **15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

### **SECTION 16: OTHER INFORMATION**

#### **Full text of H-phrases as mentioned in section 3**

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

H336, May cause drowsiness or dizziness.

H361, Suspected of damaging fertility or the unborn child.

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

Repeated exposure may cause skin dryness or cracking, Repeated exposure may cause skin dryness or cracking.

#### **The full text of identified uses as mentioned in section 1**

None known.

#### **Abbreviations and acronyms**

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CERCLA = Comprehensive Environmental Response Compensation and Liability Act  
DOT = Department of Transportation  
EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = Hazards Not Otherwise Classified  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

The classification of the mixture in regard to physical hazards has been based on experimental data.

**The safety data sheet is validated by**

Steven Johnson

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en