

# **ROTOSTAR AQUA FP 09-00462 SILVER**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 09/26/2024

 1.1
 03/27/2025
 102000038091
 Date of first issue: 09/26/2024

#### **SECTION 1. IDENTIFICATION**

Product name : ROTOSTAR AQUA FP 09-00462 SILVER

Product code : 047475CM0

Manufacturer or supplier's details

Company name of supplier : ECKART America Corporation

Address : 830 East Erie Street

Painesville OH 44077

Telephone : 866-458-7837

(440) 954-7600

Telefax : (440) 354-6224

e-mail adresse : info.eckart.america.oh@altana.com

Emergency telephone : **CHEMTREC**: 800-424-9300

CHEMTREC: 1-703-527-3387 (International)

NCEC:

(contract no. ECKART29003-NCEC) US: +1 866 928 0789 (Toll free) Canada: +1 800 579 7421 (Toll Free)

Mexico: +52 55 5004 8763

#### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation : Category 2

Eye irritation : Category 2A

Specific target organ toxicity

- repeated exposure

Category 2

**GHS** label elements

Hazard pictograms





Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or

repeated exposure.



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Precautionary Statements : Prevention:

P260 Do not breathe mist or vapors.
P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face

protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and

water

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel

unwell.

P332 + P313 If skin irritation occurs: Get medical advice/

attention.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

P362 Take off contaminated clothing and wash

before reuse.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous ingredients which must be listed on the label:

1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-

#### Other hazards

None known.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Aluminum	7429-90-5	>= 10 - < 20
1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-	95-38-5	>= 1 - < 5
Ethanol, 2-(dimethylamino)-	108-01-0	>= 0.1 - < 1
Ethanol, 2-(dimethylamino)-	108-01-0	>= 0.1 - < 1

Actual concentration is withheld as a trade secret



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#### **SECTION 4. FIRST AID MEASURES**

General advice : Take the victim into fresh air.

Move out of dangerous area.

Show this material safety data sheet to the doctor in

attendance.

Do not leave the victim unattended.

If inhaled : Remove to fresh air.

If unconscious, place in recovery position and seek medical

advice

If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water.

If skin irritation persists, call a physician.

If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Immediately flush eye(s) with plenty of water.

Remove contact lenses.

Keep eye wide open while rinsing.

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.

Most important symptoms

and effects, both acute and

delayed

Causes skin irritation.

Causes serious eve irritation.

May cause damage to organs through prolonged or repeated

exposure.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Dry sand

ABC powder

Foam

Unsuitable extinguishing : Water

nedia

Carbon dioxide (CO2)

Specific hazards during fire

fighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

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.



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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

: Evacuate personnel to safe areas. Use personal protective equipment.

: The product should not be allowed to enter drains, water General advice

courses or the soil.

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

The product should not be allowed to enter drains, water **Environmental precautions** 

courses or the soil.

Prevent product from entering drains.

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 containment and cleaning up Use mechanical handling equipment.

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

fire and explosion

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

Advice on safe handling : Do not breathe vapors/dust.

> Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage Earthing of containers and apparatuses is essential.

Take measures to prevent the build up of electrostatic charge.

Use explosion-proof equipment. Store in original container.

Keep container tightly closed in a dry and well-ventilated



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place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid : Do not store near acids.

Do not store together with oxidizing and self-igniting products. Keep away from oxidizing agents and strongly acid or alkaline

materials.

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Further information on storage stability

No decomposition if stored and applied as directed.

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Aluminum	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (respirable fraction)	5 mg/m3	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (Total)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (Respirable	5 mg/m3 (Aluminum)	OSHA P0



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fraction)		
TWA (total dust)	15 mg/m3 (Aluminum)	OSHA Z-1
TWA (respirable fraction)	5 mg/m3 (Aluminum)	OSHA Z-1
TWA (Total dust)	15 mg/m3 (Aluminum)	OSHA P0
TWA (respirable dust fraction)	5 mg/m3 (Aluminum)	OSHA P0
TWA (welding fumes)	5 mg/m3 (Aluminum)	NIOSH REL
TWA (pyro powders)	5 mg/m3 (Aluminum)	NIOSH REL
TWA (Respirable particulate matter)	1 mg/m3 (Aluminum)	ACGIH
TWA (Fumes)	5 mg/m3	OSHA P0
TWA (powder)	5 mg/m3 (Aluminum)	OSHA P0

## Personal protective equipment

Respiratory protection : Use suitable breathing protection if workplace concentration

requires.

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer

concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of

contact). Please observe the instructions regarding

permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective

gloves.



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Eye protection : Goggles

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Skin and body protection : Impervious clothing

Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : No data available
Odor : characteristic
Odor Threshold : No data available

pH : 6-8

Concentration: 100 %

Melting point/freezing point : No data available

Boiling point/boiling range : > 100 °C

Flash point :  $> 100 \, ^{\circ}\text{C}$ 

Evaporation rate : No data available Flammability (solid, gas) : No data available Upper explosion limit / Upper : No data available

flammability limit

Lower explosion limit / Lower : No data available

flammability limit

Vapor pressure : No data available Relative density : No data available Density : 1.0 - 1.2 g/cm3

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n- : No data available

octanol/water

Autoignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Total Volatile organic : 1.00, 2.00, 8/4

compounds (VOC) content : 1.00 - 3.00 %

# **SECTION 10. STABILITY AND REACTIVITY**



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Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous : Contact with acids and alkalis may release hydrogen.

reactions No decomposition if stored and applied as directed.

Conditions to avoid : Do not allow evaporation to dryness.

No data available

Incompatible materials : Acids

Bases

Oxidizing agents

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Acute toxicity**

Not classified based on available information.

#### Components:

## 1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

Ethanol, 2-(dimethylamino)-:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is toxic after short term

inhalation.

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after

single contact with skin.

Ethanol, 2-(dimethylamino)-:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is toxic after short term

inhalation.

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after

single contact with skin.

#### Skin corrosion/irritation

Causes skin irritation.



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## **Components:**

## 1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:

Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Remarks: Extremely corrosive and destructive to tissue.

## Ethanol, 2-(dimethylamino)-:

Result: Corrosive after 3 minutes to 1 hour of exposure

## Ethanol, 2-(dimethylamino)-:

Result: Corrosive after 3 minutes to 1 hour of exposure

## Serious eye damage/eye irritation

Causes serious eye irritation.

#### Components:

## 1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:

Result: No eye irritation

Remarks: May cause irreversible eye damage.

#### Ethanol, 2-(dimethylamino)-:

Result: No eye irritation

## Ethanol, 2-(dimethylamino)-:

Result: Corrosive

## Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

## Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

# Carcinogenicity

Not classified based on available information.



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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.

#### Reproductive toxicity

Not classified based on available information.

# STOT-single exposure

Not classified based on available information.

#### Components:

#### Ethanol, 2-(dimethylamino)-:

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

#### Ethanol, 2-(dimethylamino)-:

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

## STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### **Components:**

## 1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:

Assessment: May cause damage to organs through prolonged or repeated exposure.

## **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

## **SECTION 12. ECOLOGICAL INFORMATION**

## **Ecotoxicity**

#### **Components:**

1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:



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M-Factor (Acute aquatic : 10

toxicity)

M-Factor (Chronic aquatic

toxicity)

: 1

**Ecotoxicology Assessment** 

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Ethanol, 2-(dimethylamino)-:

Toxicity to daphnia and other :

aquatic invertebrates

(Daphnia): 98.77 mg/l

Toxicity to algae : (Chlorella pyrenoidosa): 35 mg/l

Persistence and degradability

No data available

**Bioaccumulative potential** 

No data available

Other adverse effects

No data available

**Components:** 

1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:

Additional ecological

information

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

**SECTION 13. DISPOSAL CONSIDERATIONS** 

**Disposal methods** 

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.



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#### **SECTION 14. TRANSPORT INFORMATION**

## **Domestic regulation**

#### **49 CFR**

Not regulated as a dangerous good

## International Regulations

## **IATA-DGR**

Not permitted for transport

#### **IMDG-Code**

Not regulated as a dangerous good

Remarks : Due to the risk of hydrogen development we recommend to

refrain from airfreighting this/these product(s).

# Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### **SECTION 15. REGULATORY INFORMATION**

# EPCRA - Emergency Planning and Community Right-to-Know CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)
Phosphoric acid	7664-38-2	5000
Sodium hydroxide (Na(OH))	1310-73-2	1000

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

## SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Specific target organ toxicity (single or repeated exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

Aluminum 7429-90-5 >= 10 - < 20 %



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#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

Ethanol, 2-(dimethylamino)-	108-01-0	>= 0.1 - < 1 %
Ethanol, 2-phenoxy-	122-99-6	>= 0.1 - < 1 %
1,2-Propanediol	57-55-6	>= 0.1 - < 1 %

#### **Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Phosphoric acid 7664-38-2 %

Sodium hydroxide 1310-73-2 %
(Na(OH))

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Phosphoric acid 7664-38-2 %

Sodium hydroxide 1310-73-2 %
(Na(OH))

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307 This product does not contain any priority pollutants related to the U.S. Clean Water Act

#### **US State Regulations**

## **Massachusetts Right To Know**

Aluminum 7429-90-5

## Pennsylvania Right To Know

Aluminum

Water 7732-18-5
Kein gefährlicher Stoff laut GHS. Not Assigned

Dextrin 9004-53-9
Ethanol, 2-phenoxy- 122-99-6

7429-90-5



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#### California Prop. 65



WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

#### **California List of Hazardous Substances**

Aluminum 7429-90-5

#### **California Permissible Exposure Limits for Chemical Contaminants**

Aluminum 7429-90-5

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

DSL : This product contains one or several components listed in the

Canadian NDSL.

TSCA : All substances listed as active on the TSCA inventory

**TSCA list** 

No substances are subject to a Significant New Use Rule.

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

#### **SECTION 16. OTHER INFORMATION**

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA PO : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated

values)

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1

Limits for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3

Mineral Dusts

ACGIH / TWA : 8-hour, time-weighted average

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

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



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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 - 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

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The information provided in this Material 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.

US / Z8