

**RENSHAPE® 70 US**

Version 1.1      Revision Date: 01/07/2020      SDS Number: 400001008751      Date of last issue: 11/10/2017  
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Print Date 01/08/2020

**SECTION 1. IDENTIFICATION**

Product name : RENSHAPE® 70 US

**Manufacturer or supplier's details**

Company name of supplier : Huntsman Advanced Materials Americas LLC  
Address : P.O. Box 4980  
The Woodlands,  
TX 77387  
United States of America (USA)  
Telephone : Non-Emergency: (800) 257-5547  
E-mail address of person responsible for the SDS : Global\_Product\_EHS\_AdMat@huntsman.com  
Emergency telephone number : Chemtrec: (800) 424-9300 or (703) 527-3887

**Recommended use of the chemical and restrictions on use**

Recommended use : Article

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

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 components**

| Chemical name      | CAS-No.   | Concentration (% w/w) |
|--------------------|-----------|-----------------------|
| limestone          | 1317-65-3 | 10 - 20               |
| Zeolites           | 1318-02-1 | 1 - 5                 |
| calcium distearate | 1592-23-0 | 1 - 5                 |

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

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- General advice : Treat symptomatically.  
Get medical attention if symptoms occur.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : Wash with water and soap as a precaution.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.  
Remove contact lenses.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : No information available.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Standard procedure for chemical fires.
- Further information : No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.

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Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

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 : No special storage conditions required.  
Keep in properly labelled containers.

Materials to avoid : For incompatible materials please refer to Section 10 of this SDS.

Recommended storage temperature : 36 - 104 °F / 2 - 40 °C

Further information on storage stability : Stable under normal conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components         | CAS-No.   | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis     |
|--------------------|-----------|-------------------------------|--|-----------|
| limestone          | 1317-65-3 | TWA (total dust)              | 15 mg/m <sup>3</sup>                           | OSHA Z-1  |
|                    |           | TWA (respirable fraction)     | 5 mg/m <sup>3</sup>                            | OSHA Z-1  |
|                    |           | TWA (Respirable)              | 5 mg/m <sup>3</sup> (Calcium carbonate)        | NIOSH REL |
|                    |           | TWA (total)                   | 10 mg/m <sup>3</sup> (Calcium carbonate)       | NIOSH REL |
| Zeolites           | 1318-02-1 | TWA (Respirable fraction)     | 1 mg/m <sup>3</sup> (Aluminium)                | ACGIH     |
| calcium distearate | 1592-23-0 | TWA (Inhalable fraction)      | 10 mg/m <sup>3</sup>                           | ACGIH     |
|                    |           | TWA (Respirable fraction)     | 3 mg/m <sup>3</sup>                            | ACGIH     |



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**Personal protective equipment**

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection
- Material : butyl-rubber
- Break through time : > 8 hrs
- Material : Solvent-resistant gloves (butyl-rubber)
- Material : Nitrile rubber
- Break through time : 10 - 480 min
- Material : Neoprene
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : General industrial hygiene practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : solid
- Colour : brown
- Odour : odourless
- Odour Threshold : No data is available on the product itself.
- pH : No data is available on the product itself.
- Freezing point : No data is available on the product itself.
- Melting point : No data is available on the product itself.
- Boiling point : No data is available on the product itself.
- Flash point : 392 °F / 200 °C  
Method: estimated, closed cup

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|  |   |
|--|---|
| Evaporation rate                                   | : No data is available on the product itself. |
| Flammability (solid, gas)                          | : No data is available on the product itself. |
| Flammability (liquids)                             | : No data is available on the product itself. |
| Upper explosion limit / Upper flammability limit   | : No data is available on the product itself. |
| Lower explosion limit / Lower flammability limit   | : No data is available on the product itself. |
| Vapour pressure                                    | : < 0.0001 hPa (68 °F / 20 °C)                |
| Relative vapour density                            | : No data is available on the product itself. |
| Relative density                                   | : 0.64  |
| Density  | : 0.7 g/cm <sup>3</sup> (68 °F / 20 °C)       |
| Solubility(ies)                                    |   |
| Water solubility                                   | : insoluble (68 °F / 20 °C)                   |
| Solubility in other solvents                       | : No data is available on the product itself. |
| Partition coefficient: n-octanol/water             | : No data is available on the product itself. |
| Auto-ignition temperature                          | : No data is available on the product itself. |
| Decomposition temperature                          | : > 392 °F / > 200 °C                         |
| Self-Accelerating decomposition temperature (SADT) | : No data is available on the product itself. |
| Viscosity  | : No data is available on the product itself. |
| Explosive properties                               | : No data is available on the product itself. |
| Oxidizing properties                               | : No data is available on the product itself. |
| Particle size                                      | : No data is available on the product itself. |

### 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 | : Dust may form explosive mixture in air.                     |
| Conditions to avoid                | : None known.   |
| Incompatible materials             | : None known.   |

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Hazardous decomposition products : carbon dioxide  
carbon monoxide  
calcium oxide

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : No data is available on the product itself.

**Acute toxicity****Components:**

limestone:

Acute oral toxicityComponents : LD50 (Rat): 6,450 mg/kg

Zeolites:

Acute oral toxicityComponents : LD50 (Rat): > 5,000 mg/kg

calcium distearate:

Acute oral toxicityComponents : LD50 (Rat): > 10,000 mg/kg

Acute inhalation toxicity : No data available

**Components:**

Zeolites:

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Acute toxicity (other routes of administration) : No data available

**Skin corrosion/irritation****Components:**

Zeolites:

Species: No information available.

Assessment: No skin irritation

Result: No skin irritation

**Serious eye damage/eye irritation****Components:**

limestone:

Species: Rabbit

Result: Mechanical irritation of the eyes is possible.

Assessment: No eye irritation



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Zeolites:  
Species: No information available.  
Result: slight irritation  
Assessment: No eye irritation

**Respiratory or skin sensitisation****Components:**

limestone:  
Exposure routes: Skin  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

Assessment: No data available

**Germ cell mutagenicity**

Genotoxicity in vitro : No data available  
Genotoxicity in vivo : No data available  
Germ cell mutagenicity-  
Assessment : No data available

**Carcinogenicity**

No data available

Carcinogenicity -  
Assessment : No data available

**IARC**

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.

**ACGIH**

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.

**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 component 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**

Effects on fertility : No data available  
Effects on foetal  
development : No data available  
Reproductive toxicity -  
Assessment : No data available

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### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Repeated dose toxicity

#### Components:

Zeolites:

Species: Monkey

LOEC: 60 mg/m<sup>3</sup>

Application Route: Ingestion

Test atmosphere: dust/mist

Exposure time: 2,160 h

Method: Chronic toxicity

Repeated dose toxicity - Assessment : No data available

### Aspiration toxicity

No data available

### Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

### Further information

Ingestion: No data available



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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:**

limestone:  
Toxicity to fish : LC50: > 56,000 mg/l  
Exposure time: 96 h

Zeolites:  
Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 1,800 mg/l  
Exposure time: 96 h

**Components:**

Zeolites:  
Toxicity to daphnia and other aquatic invertebrates : EC50: 2,808 mg/l  
Exposure time: 24 h

Toxicity to algae/aquatic plants : No data available

M-Factor (Acute aquatic toxicity) : No data available

**Components:**

Zeolites:  
Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 86.7 mg/l  
Exposure time: 30 d

**Components:**

limestone:  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): > 350 mg/l  
Exposure time: 125 d  
Test Type: semi-static test  
Test substance: Fresh water

M-Factor (Chronic aquatic toxicity) : No data available

Toxicity to microorganisms : No data available

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

**Ecotoxicology Assessment****Components:**

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Zeolites:  
Acute aquatic toxicity : This product has no known ecotoxicological effects.

**Components:**

Zeolites:  
Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Toxicity Data on Soil : No data available

Other organisms relevant to  
the environment : No data available

**Persistence and degradability**

Biodegradability : No data available

Biochemical Oxygen  
Demand (BOD) : No data available

Chemical Oxygen Demand  
(COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon  
(DOC) : No data available

Physico-chemical  
removability : No data available

**Components:**

Zeolites:  
Stability in water : Degradation half life(DT50): 60 d  
Method: No information available.  
Remarks: Fresh water

Photodegradation : No data available

Impact on Sewage  
Treatment : No data available

**Bioaccumulative potential**

Bioaccumulation : No data available

**Components:**

limestone:  
Partition coefficient: n-  
octanol/water : log Pow: < 1

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**Zeolites:**

Partition coefficient: n-octanol/water : log Pow: -1

**Mobility in soil**

Mobility : No data available

Distribution among environmental compartments : No data available

Stability in soil : No data available

**Other adverse effects**

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No data available

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

**Hazardous to the ozone layer**Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: 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).

Additional ecological information : No data available

Global warming potential (GWP) : No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**Waste from residues : Dispose of contents and container in accordance with all local, regional, national and international regulations.  
Dispose of contents/ container to an approved waste disposal plant.



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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA**

Not regulated as dangerous goods

**IMDG**

Not regulated as dangerous goods

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

Not applicable for product as supplied.

**National Regulations****DOT Classification**

Not regulated as dangerous goods

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

| Components           | CAS-No.  | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|----------------------|----------|-----------------------|--------------------------------|
| 1,1-dichloroethylene | 75-35-4  | 100                   | *                              |
| acrylonitrile        | 107-13-1 | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : No SARA Hazards**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.

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

**California Prop. 65**WARNING: This product can expose you to chemicals including 1,1-dichloroethylene, acrylonitrile, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**The components of this product are reported in the following inventories:**

CH INV : Exemptions from the obligation to register

DSL : Exemptions from the obligation to register

AICS : Exemptions from the obligation to register

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- NZIoC : Exemptions from the obligation to register
- ENCS : Exemptions from the obligation to register
- KECI : Exemptions from the obligation to register
- PICCS : Exemptions from the obligation to register
- IECSC : Exemptions from the obligation to register
- TCSI : Exemptions from the obligation to register
- TSCA : Exemptions from the obligation to register

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**TSCA - 5(a) Significant New Use Rule List of Chemicals**

No substances are subject to a Significant New Use Rule.

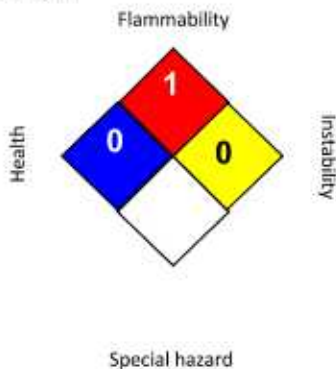
**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

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

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:**



**HMIS® IV:**

|                        |   |
|------------------------|---|
| <b>HEALTH</b>          | 0 |
| <b>FLAMMABILITY</b>    | 1 |
| <b>PHYSICAL HAZARD</b> | 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

- Revision Date : 01/07/2020
- ACGIH : USA. ACGIH Threshold Limit Values (TLV)
- NIOSH REL : USA. NIOSH Recommended Exposure Limits
- OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

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|-----------------|---|---|
| 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 Z-1 / TWA  | : | 8-hour time weighted average  |

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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