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Version: 01

## RealStar® ASR Products

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product names: RealStar® ASR CMV Primer, RealStar® ASR CMV Probe, RealStar® ASR BKV Primer, RealStar® ASR BKV Probe, RealStar® ASR JCV Primer, RealStar® ASR JCV Probe, RealStar® ASR HSV-1 Primer, RealStar® ASR HSV-1 Probe, RealStar® ASR HSV-2 Primer, RealStar® ASR HSV-2 Probe, RealStar® ASR VZV Primer, RealStar® ASR VZV Probe, RealStar® ASR Parvovirus B19 Primer, RealStar® ASR Parvovirus B19 Probe, RealStar® ASR EBV Primer, RealStar® ASR EBV Probe, RealStar® ASR Adenovirus Primer, RealStar® ASR Adenovirus Probe, RealStar® ASR HHV-6 Primer, RealStar® ASR HHV-6 Probe

Product numbers: 021093-01, 021093-11, 031093-01, 031093-11, 041093-01, 041093-11, 061093-01, 061093-11, 061093-02, 061093-12, 071093-01, 071093-11, 101093-01, 101093-11, 131093-01, 131093-11, 301093-01, 301093-11, 311093-01, 311093-11

Product type: Liquid

Specific use: Analyte-specific reagent

Recommended use: Professional Use Only

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San Francisco, CA 94107, USA  
+1 415 777 1712  
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Manufacturer: altona Diagnostics GmbH  
Mörkenstr. 12  
D-22767 Hamburg  
+49-40-54806760  
info@altona-diagnostics.com

### 2. HAZARDS IDENTIFICATION

#### **Classification:**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### **GHS classification (classification according to 1272/2008/EC):**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

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**GHS label elements:**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

**Other hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substances – chemical characterization:**

Mixture

**OSHA Hazard Classification:**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Hazardous ingredients according to Regulation (EC) No 1272/2008:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

### 4. FIRST AID MEASURES

**General advice:**

Show this material safety data sheet to the physician in attendance

**First aid measures**

**Inhalation:**

Remove person to fresh air. If irritation persists, contact a physician.

**Skin contact:**

Wash off immediately with soap and plenty of water. If irritation persists, contact a physician.

**Eye contact:**

Flush eyes out immediately with large amounts of water with eye lids lifted. If irritation persists, contact a physician.

**Ingestion:**

Rinse mouth and drink plenty of water. Never administer anything orally to an unconscious person. In the event of symptoms occurring, seek medical treatment.

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

No data available

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

No data available

**5. FIREFIGHTING MEASURES**

**Flammability:**

Not flammable

**Suitable extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Special hazards arising from the substance or mixture:**

Exposure to decomposition products may be a hazard to health.

**Advice for firefighters:**

Wear positive pressure self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent). Wear full protective clothing.

**Additional information:**

No data available

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Ensure adequate ventilation.  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

**Environmental precautions:**

Do not allow larger quantities to enter sewerage. Inform responsible authorities after accidental conduction of larger quantities. Take up residues with suitable absorbent materials.

**Methods and materials for containment and cleaning up:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of containers in accordance with local regulations.

**Reference to other sections**

For disposal see section 13.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Provide sufficient ventilation. Keep container tightly closed. Observe the usual precautionary measures for handling chemicals. Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8.

### Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Protect container from warming up and direct sunlight. Keep only in the original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure controls

Avoid contact with skin and eyes. Do not eat or drink while working. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas.

### Respiratory protection:

Not required

### Skin and body protection:

Use protective gloves. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

### Eye protection:

Use safety goggles.

### Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter sewage.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	colorless
Odor:	No data available
pH-value:	No data available
Boiling point/range (°C):	No data available
Melting point/range (°C):	No data available
Flash point (°C, c.c.):	No data available
Flammability (EEC A10/A13):	No data available
Ignition temperature (°C):	No data available
Autoflammability (EEC A16):	No data available
Oxidizing properties:	No data available
Explosion hazard:	No data available
Explosion limits (Vol.%) lower:	No data available
Vapor pressure:	No data available
Density (g/ml) :	No data available

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Solubility (in Water):	No data available
Partition coefficient, n-Octanol/Water:	No data available
Viscosity:	No data available
Solvent separation test:	No data available
Solvent content (m %):	No data available
Thermal decomposition (°C):	No data available
Vapour density (Air = 1):	No data available
Evaporation rate:	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity:

No decomposition if stored and applied as directed.

### Chemical stability:

Stable if stored and applied as directed.

### Possibility of hazardous reactions:

Stable under recommended storage conditions.

### Incompatible materials:

No data available

### Conditions to avoid:

No data available

### Hazardous decomposition products:

Other decomposition products - No data available

In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity, LD50 rat, (mg/kg):	No data available
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	No data available
Irritation (to skin / eye):	No data available
Sensitization:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Teratogenicity:	No data available
Aspiration toxicity:	No data available
Further information:	No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Environmental effects: No data available

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Aquatic ecotoxicity:	No data available
Biodegradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Results of PBT and vPvB assessment:	No data available
Other adverse effects:	No data available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods:

The product should not be allowed to enter sewage, water courses or the soil. Dispose of hazardous waste in compliance with regional, national and local regulations.

#### Contaminated packaging:

Packaging should be disposed of as for product. Do not reuse empty containers.

### 14. TRANSPORT INFORMATION

#### DOT

UN/ID No.:	-
Proper shipping name:	-
Class:	-
Packing group:	-
Environmental hazards:	no

#### TDG

UN/ID No.:	-
Proper shipping name:	-
Class:	-
Packing group:	-
Environmental hazards:	no

#### IATA-DGR

UN/ID No.:	-
Proper shipping name:	-
Class:	-
Packing group:	-
Environmental hazards:	no

#### IMDG-Code

UN-No.:	-
Proper shipping name:	-
Class:	-
Packing group:	-
Environmental hazards:	Marine pollutant: no

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**Domestic regulation**

UN/ID/NA number:	-
Proper shipping name:	-
Class:	-
Packing group:	-
Environmental hazards:	no

Special precautions for user: For personal protection see section 8.

**15. REGULATORY INFORMATION**

**International inventories:**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.
EINECS/ELINCS	Complies

**US federal regulations**

**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 hazard categories:**

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

**CWA (Clean Water Act):**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA:**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US state regulations**

**California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

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## **U.S. state right-to-know regulations**

### **Safety, health and environmental regulations / legislation specific for the substance or mixture:**

This safety datasheet complies with the requirements of Regulation (EG) No. 1272/2008.

REACH -Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):  
Neither banned nor restricted

REACH -List of substances subject to authorization (Annex XIV):  
Neither banned nor restricted

### **Chemical safety assessment:**

For this product a chemical safety assessment was not carried out.

## **16. OTHER INFORMATION**

**Revision Date**                      19. July 2017

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication but does not claim to be complete. 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. altona Diagnostics GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.