

Safety Data Sheet

according to: US OSHA Hazard Communication Standard
(HCS 2012); 29 CFR Part 1910.1200

RealStar[®]
ASR Products

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifier

Trade name: RealStar® ASR Adenovirus Primer, RealStar® ASR Adenovirus Probe, RealStar® ASR BKV Primer, RealStar® ASR BKV Probe, RealStar® ASR CMV Primer, RealStar® ASR CMV Probe, RealStar® ASR EBV Primer, RealStar® ASR EBV Probe, RealStar® ASR HHV-6 Primer, RealStar® ASR HHV-6 Probe, RealStar® ASR HSV-1 Primer, RealStar® ASR HSV-1 Probe, RealStar® ASR HSV-2 Primer, RealStar® ASR HSV-2 Probe, RealStar® ASR JCV Primer, RealStar® ASR JCV Probe, RealStar® ASR Parvovirus B19 Primer, RealStar® ASR Parvovirus B19 Probe, RealStar® ASR Trichomonas vaginalis Primer, RealStar® ASR Trichomonas vaginalis Probe, RealStar® ASR VZV Primer, RealStar® ASR VZV Probe

Product code(s): 301093-01, 301093-11, 031093-01, 031093-11, 021093-01, 021093-11, 131093-01, 131093-11, 311093-01, 311093-11, 061093-01, 061093-11, 061093-02, 061093-12, 041093-01, 041093-11, 101093-01, 101093-11, 711093-01, 711093-11, 071093-01, 071093-11

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

1.2.1 Relevant identified uses

Use of the substance/mixture: Laboratory chemicals.

1.2.2 Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheet

Supplier

altona Diagnostics GmbH

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Importer

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USA

1.4 Emergency telephone number

Emergency number: +49-40-54 80 67 60

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to regulation US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200.

The product is not classified as dangerous to regulation US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200.

2.2 Label elements

Labeling according to GHS (US): None.

Supplemental hazard information: None.

Special rules for supplemental label elements for certain mixtures: None.

Additional labeling: None.

2.3 Other hazards

No additional information available.

2.4 Unknown acute toxicity (GHS US)

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Component	Description of mixture	Hazardous ingredients
ASR Primer	Aqueous solution	None
ASR Probe	Aqueous solution	None

4. FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

First-aid measures after skin contact: Rinse skin with water/shower. Take off all contaminated clothing. Call a physician.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician.

First-aid measures after ingestion: Rinse mouth. Do not induce vomiting. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact: No information available.

Symptoms/effects after eye contact: No information available.

Symptoms/effects after ingestion: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray, dry powder, foam, carbon dioxide.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: None.

5.3 Advice for firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Other information: No additional information available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

6.1.2 For emergency responders

Protective equipment: Do not attempt to act without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.

Other information: Disposal must be done according to official regulations.

6.4 Reference to other sections

Information for safe handling, refer to section 7. Concerning personal protective equipment to use, refer to section 8. For further information refer to section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: No special handling advice required.

Advice on general occupational hygiene: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store locked up.

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

No information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminations formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation of the work station.

8.2.2 Environmental exposure controls

Avoid release to the environment.

8.3 Personal protection equipment

8.3.1 Eye and face protection

Wear closed safety glasses EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.3.2 Skin protection

Skin and body protection:

Wear suitable protective clothing EN ISO 13688 EN 13034.

Hand protection:

Chemically resistant protective gloves. Nitrile rubber gloves EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

8.3.3 Respiratory protection

In case of vapor formation use adequate respirator EN 143. Breathing equipment is only to be used in order to handle the residual risk of short-term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

8.3.4 Thermal hazards

No additional information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

	ASR Primer	ASR Probe
Physical state	Liquid	Liquid
Color	Colorless	Colorless
Odor	No data available	No data available
Odor threshold	No data available	No data available
pH	No data available	No data available
Melting point	No data available	No data available
Freezing point	No data available	No data available
Boiling point	No data available	No data available
Flash point	No data available	No data available
Relative evaporation rate*	No data available	No data available
Flammability (solid, gas)	Not flammable	Not flammable
Vapor pressure	No data available	No data available
Relative vapor desnsity at 20 °C	No data available	No data available
Relative density	No data available	No data available
Density	No data available	No data available
Solubility	Soluble in water	Soluble in water
partition coefficient n-octanol/water (log pow)	No data available	No data available
Auto-ignition temperature	No data available	No data available
Decomposition temperature	No data available	No data available
Viscosity, kinematic	No data available	No data available
Viscosity, dynamic	No data available	No data available
Explosion limits	No data available	No data available

	ASR Primer	ASR Probe
Explosive properties	Not explosive	Not explosive
Oxidizing properties	Non oxidizing material	Non oxidizing material

* (Butyl acetate = 1)

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available.

9.2.2 Other safety characteristics

No additional information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral):	No information available.
Acute toxicity (dermal):	No information available.
Acute toxicity (inhalation):	No information available.
Skin corrosion/irritation:	No information available.
Serious eye damage/irritation:	No information available.
Respiratory or skin sensitization:	Not classified (Based on available data, the classification criteria are not met).
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met).
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met).
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met).
STOT-single exposure:	Not classified (Based on available data, the classification criteria are not met).
STOT-repeated exposure:	Not classified (Based on available data, the classification criteria are not met).
Aspiration hazard:	Not classified (Based on available data, the classification criteria are not met).

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - general:	No information available.
Acute aquatic toxicity:	Not classified (Based on available data, the classification criteria are not met).
Chronic aquatic toxicity:	Not classified (Based on available data, the classification criteria are not met).

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Endocrine disrupting properties

No additional information available.

12.6 Other adverse effects

No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal must be done according to official regulations. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Packaging disposal must be made in accordance with local waste management regulations. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

14. TRANSPORT INFORMATION

In accordance with DOT / IATA / IMDG.

14.1 UN-No. (DOT / IATA / IMDG)

None.

14.2 Proper shipping name (DOT / IATA / IMDG)

None.

14.3 Transport hazard class (DOT / IATA / IMDG)

Not regulated for transport.

14.4 Packing group (DOT / IATA / IMDG)

None.

14.5 Environmental hazards

None.

14.6 Special precautions for user

None.

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

Not applicable.

15. REGULATORY INFORMATION

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

15.1.1 US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act 1986 and 40 CFR Part 372.

Other information, restriction and prohibition regulations: No additional information available.

15.1.2 International regulations

No additional information available.

15.1.3 US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Date of Issue: 2021-10-14

Revision date: N/A

Trademarks: RealStar® (altona Diagnostics)

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Abbreviations and acronyms:

DOT – Department of Transport

IMDG - International Maritime Dangerous Goods

SDS - Safety Data Sheet

STOT - Specific Target Organ Toxicity

The above information and recommendations contained herein are based upon information or tests believed to be reliable. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution.

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