QUALIPUR 152 Part A

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: QUALIPUR 152 Part A
Revision Date: 6/12/2018

Supplier Details:
Advanced Polymer Technology
P.O. Box 160, 109 Conica Lane
Harmony, PA 16037

Contact: Senior Chemist
Phone: 724-452-1330
Fax: 724-452-1703
Email: info@advpolytech.com
Internet: www.advpolytech.com

Transportation emergency phone number: ChemTel Inc. (800)255-3924, +1 (813)248-0585

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
No GHS Classifications Indicated

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: NONE

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

No GHS hazards statements indicated

GHS Precautionary Statements:

No GHS precautionary statements indicated

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

The product is not classified according to GHS regulations.
The product is not classified according to the CLP regulation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
8001-79-4	25-50%	Castor oil
25054-06-2	10-25%	Formaldehyde, polymer with cyclohexanone

4 FIRST AID MEASURES

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:
Clean with water and soap.
If skin irritation continues, consult a doctor.

After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed Gastric or intestinal disorders

Hazards No further relevant information available.

Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 FIRE FIGHTING MEASURES

Flash Point: >392 °F / >200 °C

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture
Under certain fire conditions, traces of other toxic gases cannot be excluded.

Advice for firefighters
Protective equipment:
Wear fully protective suit.
Wear self-contained respiratory protective device.

Additional information Cool endangered receptacles with water fog or haze.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Particular danger of slipping on leaked/spilled product.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

E**nvironmental precautions:** No special measures required.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
Remove from the water surface (e.g. skim or suck off).

7 HANDLING AND STORAGE

Handling Precautions:

Prevent formation of aerosols.

Information about fire - and explosion protection: When heated the product forms flammable fumes.

Storage Requirements:

Store in a cool location.
Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:
Store away from oxidizing agents.
Store away from foodstuffs.

Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
This product is hygroscopic.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Ensure compliance yo all relevant OSHA regulations.

Personal Protective Equipment:

General protective and hygienic measures: No further relevant information available.

Respiratory protection:
Not required under normal conditions of use.
Use suitable respiratory protective device when aerosol or mist is formed.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the permanent contact gloves made of the following materials are suitable:
Butyl rubber, BR
Neoprene gloves
Nitrile rubber, NBR

Eye protection:
Safety glasses

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment No special requirements.

Risk management measures No special requirements.

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs No further relevant information available.
PNECs No further relevant information available.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cloudy yellow Liquid		
Physical State:	Liquid	**Flash Point:**	>392 °F / >200 °C
Specific Gravity or Density:	1,08 g/cm³	**Autoignition Temperature:**	>500 °F/ >260 °C
Vapor Pressure:	1 hPa		

10 STABILITY AND REACTIVITY

Chemical Stability:	No decomposition if used and stored according to specifications.
Conditions to Avoldentification:	Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
Materials to Avoldentification:	Reacts with strong oxidizing agents.
Hazardous Decomposition:	Hydrocarbons Carbon monoxide and carbon dioxide
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Primary irritant effect:
on the skin: Slight irritant effect on skin and mucous membranes.
on the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available.

Persistence and degradability The product is partially biodegradable. Significant residuals remain

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxical effects:
Remark:
Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

Additional ecological information:
General notes:
This statement was deduced from the properties of the single components.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 DISPOSAL CONSIDERATIONS

Recommendation
Smaller quantities can be disposed of with household waste.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Can be reused after reprocessing.
Contact waste processors for recycling information.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14 TRANSPORT INFORMATION

UN-Number DOT, ADR, ADN, IMDG, IATA	N/A
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Polyester Resin Based Coating
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	N/A
Packing group DOT, ADR, IMDG, IATA	N/A
Marine pollutant	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation"	---

15 REGULATORY INFORMATION

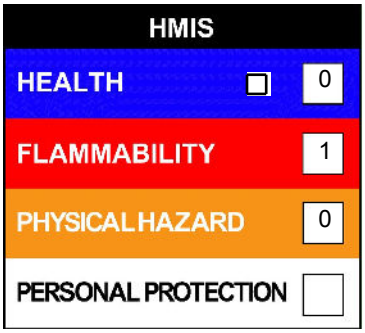
```
Component (CAS#) [%] - CODES
-----------------------------------------------------------------
Castor oil (8001-79-4) [25-50%] TSCA

Formaldehyde, polymer with cyclohexanone (25054-06-2) [10-25%] TSCA


Regulatory CODE Descriptions
-----------------------------------------------------------------
TSCA = Toxic Substances Control Act
```

16 OTHER INFORMATION

NFPA: Health = 0, Fire = 1, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 0, Fire = 1, Physical Hazard = 0



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Date: 6/12/2018