

Ducor Polypropylene Impact and Random Copolymers According to Regulation (EC) No 1907/2006 (REACH), Article 31

1. Identification of substance

Trade name DuPure® (Polypropylene Impact and Random Copolymers)

Grades:

DuPure® SH 50, SL 50, SR 76, ST 76 V, SL 76 A, SM 76 A, SU 76 A, SU 76 AV, SW 76 AV, SR 79, ST 77 A, SU 77 AV, SY 77 AV, SU 77 A, TE 76, TM 76 V, TM 76, TR 76 V, TU 76 V, TT 79 V, QM 49, QG 49, QE 49, QL 50, QE

50, QE 50 E, QR 50, QW 76 AV.

DuClear® (Polypropylene Random Copolymers)

Grades:

DuClear® QG 80 A, QR 80 A, QT 80 A, QU 80 A, QW 80 AV, QY 80 AV,

CE 85 B.

Identified uses Manufacture of plastic articles by injection molding, extrusion or other

conversion process

Prohibited used Applications involving permanent implantation into the body, European Class

III & FDA Class III medical devices

Manufacturer Ducor Petrochemicals B.V.

Merseyweg 24

3197KG Botlek - Rotterdam

the Netherlands

 Telephone
 +31(0)181-247070

 Fax
 +31(0)181-247979

 Emergency Number
 +31(0)181-247070

Website http://www.ducorchem.com
E-mail info@ducorchem.com

2. Hazards Identification

Classification & Labeling This product is not classified as hazardous according to EEC directives

67/548/EEC, 1999/45/EC.

This product is not classified as hazardous according to EC regulations

1907/2006/EC, 1272/2008/EC, and following amendments.

Information pertaining to particular dangers for

man and environment

Fine dust may cause irritation of respiratory system and mucous.

Contact with hot (molten) material – risk of serious burns. If heated to more than 160°C, the product may form vapors or fumes which may cause irritations of respiratory tract and cause coughing and sensation of shortness

of breath. Handling this product may result in electrostatic accumulation. Use proper grounding procedures Dust may form explosive mixture in air.

Combustible dust

3. Composition/Information on Ingredients

Chemical Name 1-Propene, polymer with ethene

Chemical Formula C3H6)x - (C2H4)y

CAS No. Designation 9010-79-1

Description Mixture of 1-Propene, polymer with ethene, with additives/stabilisers

4. First Aid Measures

General information Take proper precautions to ensure your own health and safety before

attempting rescue and providing first aid.

After inhalation Exposure to spray, fumes and vapours produced by heated or burned

product: Move to fresh air. Call for medical help.

After skin contact After contact with the molten product, cool rapidly with cold water. Do not pull

solidified product away from the skin. Seek immediate medical advice.

Revision date: 20/06/2018 Version 6 Page 1 of 5



Ducor Polypropylene Impact and Random Copolymers According to Regulation (EC) No 1907/2006 (REACH), Article 31

After eye contact Immediately rinse with water for a prolonged period while holding the eyelids

wide open. In case of irritation caused by fine dust: wash with copious

volumes of water, until the irritation disappears.

In case of eye contact with molten polymer: continuously flush eye(s) with cool running water for at least 15 minutes. Beyond flushing, do not attempt to remove the material adherent to the eye(s). Immediately seek medical

attention

After swallowing No specific measures have to be taken if the product is swallowed.

5. Fire fighting measures

Suitable extinguishing

agents

Unsuitable extinguishing

agents

Specific hazards during

fire fighting

Keep away from heat and sources of ignition.

For small fire: Carbon dioxide. Dry powder. Water spray.

In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). The

formation of hydrocarbons and aldehydes are possible in the initial stages of a fire (especially in between 400 and 700°C)

Protection during

firefighting

Additional information

Wear approved positive pressure self-contained breathing apparatus and

firefighter protective clothing.

For large fire: Foam.

Solid water jet/stream

Combustible particulate solid, will decompose under fire conditions.

Calorific Value: 8000 - 11000 kcal/kg

Fight fire from safe distance with hose lines or monitor nozzles. Heat from fire may melt, decompose polymer, and generate flammable vapors. Move containers from fire area if it can be done without risk. Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container. Always stay away from tanks engulfed in fire. Do not attempt to get on top of storage containers involved in fire. Cool storage

containers with large volumes of water even after fire is out.

6. Accidental Release Measures

Person-related safety

precautions

Creates dangerous slipping hazard on any hard smooth surface.

Avoid generating dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard.

Measures for

environmental protection

Measures for cleaning/collecting

Do not flush into surface water or sanitary sewer system

On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk.

On water, material is insoluble; collect and contain as any solid.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

7. Handling and Storage

Information for safe handling

Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation and dust collection at machinery. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Requirements for storage areas and containers

Storage facilities must fulfill all fire safety requirements for buildings, and all electrical appliances must be compliant with the applicable regulations. Store

Revision date: 20/06/2018 Version 6 Page 2 of 5



Ducor Polypropylene Impact and Random Copolymers According to Regulation (EC) No 1907/2006 (REACH), Article 31

in a dry, cool, well-ventilated area. Protect from heat and direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Proper grounding procedures to avoid static electricity should be followed. Prevent accidental release of the material in the environment during storage

8. Exposure Controls and Personal Protection

Control parameters:

Components with

Occupational Exposure Limits

workplace control parameters

Ingredients	Source	Туре	Limit value
Materials that can be formed when handling this product: Non specified (inert or nuisance) dust	US - ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ inhalable 3 mg/m³ respirable

Consult local authorities for acceptable exposure limits

Exposure controls Engineering measures Ensure good ventilation of the work place. If handling results in dust generation or high temperatures, local exhaust ventilation should be provided to insure that exposure to dust or decomposition products does not exceed the exposure recommended levels. Safety shower. Eye fountain.

Personal protective equipment

General protective and

Dustproof clothing. Gloves. Safety glasses. Dust formation: dust mask.

hygienic measures

Respiratory protection

Do not eat, drink or smoke during use Use process enclosures, local exhaust ventilation, or other engineering

controls to keep airborne levels below recommended exposure limits. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use appropriate respiratory protection where atmosphere exceeds recommended limits. Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate

certified respirators.

Hand protection Protective gloves. When handling hot material, wear heat-resistant protective gloves

that are able to withstand the temperature of molten resin.

Eye protection

Safety glasses with side-shields.

Skin & Body protection

Wear suitable clothing. Safety foot-wear

9. Physical and Chemical Properties

Physical state Solid

Appearance Pellet / Granule Colour Translucent to white

Odor Slight Melting point/range 120-170°C

Boiling point/range Decomposition starting from 300°C

Autoignition temperature > 300°C

Lower explosion limit The minimum explosive concentration (MEC) for polymer dust varies

according to particle size distribution

Density 0.89-0.91 g/cm3

Solubility in water Insoluble **Bulk Density** 400-600 kg/m3

10. Stability and Reactivity

Reactivity Electrostatic charges may be generated during handling. Take precautionary

measures against static discharge during blending and transfer operations.

Chemical Stability The product is stable at normal handling- and storage conditions

Possibility of hazardous Dust may form explosive mixture in air.

Revision date: 20/06/2018 Version 6 Page 3 of 5



Ducor Polypropylene Impact and Random Copolymers According to Regulation (EC) No 1907/2006 (REACH), Article 31

reactions

Conditions to Avoid No flames, no sparks. Eliminate all sources of ignition. Avoid temperature

above 300°C.

Materials to avoid

Hazardous decomposition

products

Strong acids. Strong bases. Strong oxidizing agents. Halogens.

Not expected to decompose under normal conditions.

Thermal decomposition Carbon monoxide, olefinic and paraffinic compounds, trace amounts of

organic acids, ketones, aldehydes and alcohols may be formed.

11. Toxicological Information

Not classified Acute oral toxicity Skin corrosion/irritation Not classified

Heated product causes burns. Thermal decomposition products are produced

at elevated temperatures and these may be irritating

Serious eye damage/

irritation

Not classified Fine dust may cause irritation to ocular mucous. Thermal decomposition

products are produced at elevated temperatures and these may be irritating.

Heated product causes burns.

Respiratory or skin

sensitisation

Not classified

Cell mutagenicity Not classified Carcinogenicity Not classified Not classified Reproductive toxicity Specific target organ Not classified

toxicity (single exposure) Dust may cause irritation of respiratory system. If heated to more than 160°C,

> the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath

Specific target organ

toxicity (repeated

exposure)

Aspiration hazard

Not classified

Not classified

12. Ecological Information

Ecotoxicity Effects Ecological damages are not known or expected under normal use. Small

particles can have an effect on water and soil organisms.

Persistence and degradability Bioaccumulation

Product persists. Not expected to be biodegradable.

This product is not expected to bioaccumulate

Mobility in soil Low mobility. The product is not volatile, and insoluble in water

Results of PBT assessment

Not determined

No additional information available Other adverse effects

13. Disposal Considerations

Waste treatment methods All recovered material should be packaged, labeled, transported and disposed

> of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

Recycle if possible.

Additional information Incinerate with household refuse in a municipal solid waste incinerator plan.

14. Transport Information

Transport Classification The substance is not classified as dangerous according to relevant transport

regulations.

Revision date: 20/06/2018 Version 6 Page 4 of 5



Safety Data Sheet – Ducor Polypropylene Impact and Random Copolymers According to Regulation (EC) No 1907/2006 (REACH), Article 31

15. Regulatory Information

EC regulations See the Regulatory Affairs Product Information Datasheet (RAPIDS) of the

product on www.ducorchem.com

16. Other Information

Further information Conforms to Regulation (EC) No 1907/2006 (REACH), Article 31.

Disclaimer:

The information contained in the Safety Data Sheet is at the date of its issuance to the best of our knowledge correct according to the data available to us. The information is meant as a guideline for safe use, handling, disposal, storage and transport of products and does not imply any warranty (not implied nor explicitly) or specification. The Supplier shall to the extent permitted by law not be liable for any error or incorrectness in the information contained in this Safety Data Sheet. The information relates exclusively to the specified products, which may not be suitable for combination with other materials or use in processes other than those specifically described here.

DuPure® / DuClear® are trademarks owned or used by Ducor Petrochemicals B.V.

Revision date: 20/06/2018 Version 6 Page 5 of 5