

**MATERIAL SAFETY DATA SHEET (EC 1907/2006)**

Material name

Neoss MSDS 6 - ACRYLIC COPOLYMERDocument no
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1 of 4**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

Trade name	Acrylic copolymer
Company	Neoss Ltd. Windsor House Cornwall road Harrogate, HG1 2PW www.neoss.com
Telephone	+44 1423 817-733
Telefax	+44 1423 817-744
Email	info@neoss.com
Emergency telephone number	Your local Neoss office
Use of the Substance /Preparation	Molding compound for injection molding and extrusion

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENT

This material is classified as not hazardous under OSHA regulations.

See Section 8, Exposure Controls/Personal Protection

SECTION 3: HAZARDS IDENTIFICATION**Emergency Overview**

Colour: various, depending on coloration
Appearance: pellets
Odour: odourless

Under normal conditions of use, this product is not expected to create any unusual industrial hazards.

Primary Routes of Exposure

Skin contact
Eye contact

Potential Health Effects**Inhalation**

Dust of material can cause the following:
- Mechanical irritation

Eye Contact

No hazard expected in normal use.
Dust of material can cause the following:
- Mechanical irritation

Skin Contact

No hazard expected in normal use.

Ingestion

No hazard expected in normal use.

Potential Environmental Effects

See section 12, Ecological Information



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SECTION 4: FIRST AID MEASURES

First Aid Procedures

Inhalation	No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
Eye Contact	If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists.
Skin Contact	After contact with melted product cool quickly with cold water. See a physician.
Ingestion	Ingestion is not considered a potential route of exposure.

SECTION 5: FIRE-FIGHTING MEASURES

Flash point	not available
Autoignition Temperature	440 °C (830 °F)
Lower explosion limit	not available
Upper explosion limit	not available
OSHA Flammability Classification	none
Other Flammable Properties	Use water spray to cool containers exposed to fire.
Extinguishing Media	Use the following extinguishing media when fighting fires involving this material: Foam - dry chemical - carbon dioxide - water spray
Fire Fighting Procedures	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Procedures

Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations. See Material Safety Data Sheet section 8, Exposure Controls/Personal Protection.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid dust formation. During thermoplastic processing, vapours of the decomposition products referred to in section 10 are given off, which are technically unavoidable (Observe exposure threshold limit values). During thermal processing and/or machining local exhaust ventilation at processing machines is recommended.

Storage

Store in a dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Information

No Occupational Exposure Values established (ACGIH, OSHA, Canada and Mexico).

Engineering Controls (Ventilation)

If use operations generate dust, use adequate ventilation.

Respiratory Protection A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection

Use safety glasses (ANSI Z87.1 or approved equivalent).

Hand Protection

General use gloves are recommended to protect the skin from drying and irritation.

Other Protective Equipment

A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	various, depending on coloration
Physical state	pellets
Odour	odourless
Specific gravity (water = 1)	approx. 1.11 - 1.13 g/cm ³
Solubility in water	insoluble
Solubility (qualitative)	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
Further information	Dust explosions are generally to be expected with dust-forming organic products.
See Section 5, Fire Fighting	Measures

SECTION 10: STABILITY AND REACTIVITY

Stability	This product is stable under normal storage conditions.
Conditions to Avoid	polymerization begins at 260 °C / 500 °F.
Incompatibility With Other Materials	No known incompatibility with other materials.
Hazardous Decomposition Products	In case of thermal decomposition, combustible vapours are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate
Hazardous Polymerization	Product will not undergo polymerization.

SECTION 11: TOXICOLOGICAL INFORMATION

Further Information on Toxicology

The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience.

SECTION 12: ECOLOGICAL INFORMATION

Information on Elimination (Persistence and Degradability)

Ecotoxicological Effect

Further Information on Ecology

The product has not been tested eco toxicologically.

On the basis of the products consistency as well as its low water solubility bio availability is unlikely. Studies on products with similar composition confirm this assumption.

SECTION 13: DISPOSAL CONSIDERATIONS

Procedures

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. CYRO encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations

SECTION 15: REGULATORY INFORMATION

Labelling According To EC-Regulations

Other data According to the Dangerous Preparations Directive (1999/45/EG): no labelling



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SECTION 16: OTHER INFORMATION

This 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. Such information is given in good faith being based on the latest information available and is to the best and belief accurate and reliable at the time of preparation. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness and we assume no responsibility and disclaims any liability incurred in using this information. The product is supplied under condition that the user accepts the responsibility to satisfy himself so as to the suitability and completeness of such information for his own particular use.