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Revision: 14 Jan. 2016 Version number: 1.1

SECTION 1: Identification of the substance/mixture and company/undertaking

1.1 Product identifier

IUPITAL
F20-73R1 NA

1.2 Other means of identifier

Polyoxymethylene copolymer resin component

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

Plastic for injection or extrusion molding.
Uses advised against: not available.

1.4 Details of the supplier of the safety data sheet

MEP Europe GmbH
Willstätter Strasse 30
40549 Düsseldorf Germany
Tel +49-211-52054-20
Fax +49-211-52054-272
E-mail info.safety@mepeu.com

Non-EU supplier: Mitsubishi Engineering-Plastics Corp.,
Environment and Quality Assurance Department,
Shiodome Sumitomo-Bldg. 25F, 9-2, Higashi-shinbashi 1-Chome,
Minato-ku, Tokyo 105-0021, Japan;
Tel +81-3-6274-9060; Fax +81-3-6274-9085;
E-mail info-EQA@notesgw.m-ep.co.jp

1.5 Emergency telephone number

+31 46 70 22043/ +31 46 70 22044 (business hours GMT+1).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Not classified
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Pictogram	None.
Signal word	None.
Hazard statements	None.
Precautionary statements	None.
Supplemental information	Not available.

2.3 Other hazards

Dust may produce explosive mixture with air.

SECTION 3: Composition/information on ingredients

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3.1 Substances [a]

Other components	*Conc. (wt%)*	*EC No.*	*CAS No.*	*Reg. No.*	*Classification*
					1272/2008
NA					

[a] NA: not available.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a doctor.

Skin: If dust, or vapour, or condensation products from heated product, contacts the skin, wash off well with soap and water.

If skin irritation or rash occurs, get medical attention. Launder clothing before re-use.

If molten resin contacts the skin, immediately cool with plenty of water and seek medical treatment.

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Ingestion: Rinse mouth with water, and give milk or water to drink. Call a poison centre or doctor if you feel unwell. Do not induce vomiting, unless instructed by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed: Dust from processing, and vapour from heated resin, may irritate the eyes, skin and respiratory system.

4.3 Indication of any immediate medical attention and special treatment needed: Treat symptoms as they occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable: Water spray and foam chemical extinguishers are recommended.

Unsuitable: Carbon dioxide gas and dry chemicals lack cooling capacity, with the possibility of re-ignition.

5.2 Special hazards arising from the substance or mixture: Not classified as flammable, but is a combustible thermoplastic material which will melt and drip when ignited.

During a fire will produce strong heat, black smoke, and toxic gases, including carbon oxides, formaldehyde, paraformaldehyde, and trioxane.

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Dust may produce explosive mixture with air.

5.3 Advice for firefighters Remove containers from fire or cool them with water spray. Firefighters should wear an approved self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures For large spills, wear full personal protection. Keep unauthorised personnel from the spillage area. May cause slip hazard. Ventilate area and avoid creating airborne dust. Take precautionary measures against static discharge and use non-sparking equipment. Follow prescribed procedures for responding to large spills and reporting to authorities.

6.2 Environmental precautions Prevent product from entering water courses or drainage system.

6.3 Methods and material for containment and cleaning up Clean up spill as soon as possible.

For small quantities, wipe off with cloth or paper, and wash affected area with water and detergent.

For large quantities, carefully sweep up or collect using vacuum cleaner. Wash contaminated surfaces with water and detergent, and collect washings for safe disposal.

Place waste in a container for disposal.

6.4 Reference to other sections For recommended personal protective equipment, see Section 8.

For disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Avoid skin and eye contact, and inhalation of any dust, or vapour during heat processing. Use protective measures described in Section 8. Use only in a well-ventilated area. Wash hands after use.

Dust that develops from processing may cause dust explosion hazard. Always clean up dust. Keep away from sources of ignition. Use only non-sparking equipment.

When processing molten resin, use protective equipment to prevent burns. In order to avoid hazardous decomposition, purged plastics should be cut into small, flat forms to allow rapid cooling. Do not allow molten resin to remain in container at elevated temperature for long periods.

7.2 Conditions for safe storage, including any incompatibilities Avoiding direct sunlight. To prevent fire, keep away from heat, flame, and sources of ignition.

7.3 Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EU limit values None.

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UK limit values	None.
Monitoring procedure	BS EN 14042:2003; Workplace Atmospheres; Guide for the Application and Use of Procedures for the Assessment of Exposure to Chemical and Biological Agents, or specific national equivalent.
Other: human health (DNELs, DMELs)	Not available.
Other: environmental (PNEC)	Not available.

8.2 Exposure controls

Engineering controls	Good general ventilation is recommended for handling the product. For processing, where dust or vapour might be formed, local exhaust ventilation or use in a closed system is recommended.
Personal protective equipment	The need for personal protective equipment should be based on a workplace risk assessment for the particular use. Avoid skin and eye contact by wearing chemical resistant gloves and eye protection. Where more extensive contact may occur, wear protective clothing (eg apron, overalls). During processing, if exposure to dust or vapours is possible, wear a dust mask or organic vapour mask. When handling a molten resin, wear heat-resistant gloves and clothing to prevent burns. PPE should be to national standards. Consult manufacturers concerning breakthrough times.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Pellet
Odour	None
Odour threshold	Not available
pH	Not available
Melting/freezing point	160 to 170 °C
Initial boiling point/range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Combustible
Flamm. or expl. limits	Not available
Vapour pressure	Not available
Vapour density	Not available

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Relative density	1.4
Solubilities	Insoluble in water
Partition coeff. (K_{ow})	Not available
Auto-ignition temp.	Ignition point >400 °C
Decomposition temp.	Begins at 240 °C
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information Not available

SECTION 10: Stability and reactivity

10.1 Reactivity Not available.

10.2 Chemical stability Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions No hazardous polymerisation.

10.4 Conditions to avoid High temperatures, sources of ignition, and strong sunlight.

10.5 Incompatible materials Strong acids, alkalis, or oxidizing agents.

10.6 Hazardous decomposition products Smoldering or incomplete combustion leads to the formation of toxic gases, including carbon oxides, formaldehyde, paraformaldehyde, and trioxane.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Not classified due to lack of data.
Skin corrosion/irritation	Not classified due to lack of data.
Serious eye damage/irritation	Not classified due to lack of data.
Respiratory or skin sensitisation	Not classified due to lack of data.
Germ cell mutagenicity	Not classified due to lack of data.
Carcinogenicity	Not classified due to lack of data.
Reproductive toxicity	Not classified due to lack of data.
STOT-single exposure	Not classified due to lack of data.
STOT-repeated exposure	Not classified due to lack of data.
Aspiration hazard	Not classified due to lack of data.

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SECTION 12: Ecological information

12.1 Toxicity	Not available.
12.2 Persistence and degradability	Not expected to be readily biodegradable.
12.3 Bioaccumulative potential	Not expected to bioaccumulate.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not available.
12.6 Other adverse effects	Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Incineration or landfill may be suitable for this product. Disposal via the drains is not recommended. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC.

SECTION 14: Transport information

14.1 UN Number	Not classified as dangerous goods for transport.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not classified as marine pollutant/environmentally hazardous.
14.6 Special precautions for user	Not available.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	No additional information.
15.2 Chemical safety assessment	Not available.

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SECTION 16: Other information

Revisions	This SDS is 1.1 version in EU format, using classification according to the CLP Regulation. Version 1.0 drawn up date: 1 Apr. 2015
Abbreviations	DNEL, derived no-effect level; DMEL, derived minimum effect level; PBT, persistent, bioaccumulative, and toxic; PNEC, predicted no-effect concentration; TWA, time-weighted average; vPvB, very persistent, very bioaccumulative.
References	Search for chemicals; available at the European Chemicals Agency website: http://echa.europa.eu/.
Basis of classification	The mixture is self-classified on the basis of available information on the ingredients.
List of hazard statements	None.

Disclaimer: The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.