

**TPX Pellet**

SDS Number 51054A

Revision Date 02/25/2015

Issue Date 02/25/2015

**SECTION 1. IDENTIFICATION****Product identifier**

Product name : TPX Pellet

SDS Number : 51054A

**Recommended use of the chemical and restrictions on use**

Recommended use : Industrial parts

Recommended restrictions on use : None known.

**Company/Undertaking Identification****Supplier/Importer**

Company : Mitsui Chemicals America, Inc.

Street address : 800 Westchester Avenue, Suite S306, Rye Brook, NY 10573, USA

Telephone : +1-914-253-0777

Telefax : +1-914-253-0790

**Manufacturer**

Company : Mitsui Chemicals, Inc.

Street address : Shiodome City Center, 1-5-2, Higashi-Shimbashi, Minato-ku, Tokyo, 105-7122, Japan

Responsible Department : Performance Polymers Division

Telephone : +81-3-6253-3483

Telefax : +81-3-6253-4221

**Emergency Phone Number**

Not available.

**SECTION 2. HAZARD(S) IDENTIFICATION****Classification of the chemical in accordance with paragraph (d) of §1910.1200**

Not classified according to GHS criteria

Although none of hazard statements are applicable, this product should be handled with following precautions.

Precautionary statements : **Prevention:**  
Obtain special instructions before use, and DO NOT handle until all safety precautions have been read and understood. Wash hands and face thoroughly after handling. Avoid release to the environment.

**Response:**  
IF exposed or concerned, or if you feel unwell: Get medical advice/ attention.

**Disposal:**  
Dispose of contents/container in accordance with local/regional/international regulations. Do not reuse the container for any other purpose. Dispose of in accordance with applicable laws and regulations.

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Other hazards which do not result in classification : Powdered material may form explosive dust-air mixture.

Concentration of unknown acute toxicity : The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: >=99 %

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

Chemical Name	CAS-No.	Concentration
4-methyl-1-pentene $\alpha$ -olefin copolymer	See Appendix	>=99%
additives	-	<1%

**Hazardous components** : none

**SECTION 4. FIRST AID MEASURES****Description of first aid measures**

- If inhaled : If you feel unwell, remove to fresh air immediately.  
Get medical attention if cough or other symptoms develop.  
If exposed to excessive levels of fumes, remove to fresh air.
- In case of skin contact : Immediately remove contaminated clothing and shoes.  
Flush skin with large amounts of water, clean off with soap and water.  
Get medical attention if symptoms develop.  
If molten polymer contacts the skin, cool immediately with cold water.  
Do not attempt to peel polymer from the skin. Get medical attention for thermal burn.
- In case of eye contact : Immediately flush eyes with plenty of water for several minutes.  
Part eyelids with fingers to assure complete flushing.  
Check for and remove contact lenses if easily possible.  
Get medical attention if irritation persists.
- If swallowed : Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Rinse mouth with water.  
Keep the affected person warm and at rest. Get medical attention immediately.

**Most important symptoms and effects, both acute and delayed**

No information available.

**Indication of any immediate medical attention and special treatment needed**

- Treatment : Treat symptomatically.
- Protection of first-aiders : Wear appropriate personal protective equipment such as protective gloves, protective clothing, eye protection, face protection, respirator, safety shoes, etc.

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**SECTION 5. FIREFIGHTING MEASURES****Suitable and unsuitable extinguishing media**

Suitable extinguishing media : Water jet, Water mist, Foam, Dry chemical, Carbon dioxide (CO2)

Unsuitable extinguishing media : none

**Specific hazards arising from the chemical**

No information available.

**Advice for firefighters**

Special protective equipment for firefighters : Respiratory and eye protection required for fire-fighting personnel.  
Full protective equipment and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires.

Further information : Remove all sources of ignition.  
Keep unnecessary and unprotected personnel away.  
Remove containers to safe place if possible.  
Fight fire from an upwind position.  
Keep surrounding areas cool by spraying water.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Wear appropriate personal protective equipment such as protective gloves, protective clothing, eye protection, face protection, respirator, protective boots, etc.  
Keep unnecessary and unprotected personnel away.  
Keep upwind, evacuate downwind.  
Wear appropriate personal protective equipment as specified in Section 8.  
Evacuate immediate area.

Environmental precautions : Do not flush into sewer, river, or any body of water.  
Product is non-biodegradable; may cause long-term adverse effects in the aquatic environment.

Methods and materials for containment and cleaning up : Use only non-sparking tools.  
Vacuum or sweep up material and place in a disposal container.  
If the quantity is small, use an electric vacuum cleaner or broom to sweep and collect the product.  
If in molten state, allow it to cool and solidify before proceeding with disposal methods.

**SECTION 7. HANDLING AND STORAGE****Precautions for safe handling**

Technical measures : Refer to the "Engineering measures" in Section 8.  
Avoid contact with eyes, skin, and clothing. Avoid ingestion

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and inhalation. Wear appropriate personal protective equipment.  
Provide hand and eye wash station near work area. Wash thoroughly after handling.  
Use only in well-ventilated area. Keep away from heat, sparks, and flame.  
Use explosion-proof electrical equipment. Take precautions against build-up of electrostatic charges.  
Use in well-ventilated area. Avoid dust formation.

- Advice on safe handling : Do not handle until all safety precautions have been read and understood.  
Take precautionary measures against static discharge.  
Avoid dust formation.  
Do not breathe dust.
- Hygiene measures : Wash hands thoroughly after handling.  
Do not eat, drink, or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

- Conditions for safe storage : The floor must be protected from water and impermeable.  
The inventory location must be fire-resisting. Make the roof from nonflammable materials, and do not install the ceiling.  
Install appropriate facilities for lighting/ventilating.  
Store indoors.  
Ground and bond containers and equipment to prevent build-up of electrostatic charges.
- Materials to avoid : Strong oxidizers
- Avoidance of contact : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep away from heat, flame, and all sources of ignition.  
Store in a segregated and approved area.
- Suitable container and packaging materials for safe storage : Polyolefin bags or containers, Polyolefin-lined paper bag

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

- Engineering measures** : Provide safety shower and eye wash station near work area.  
Provide general or local exhaust ventilation as necessary.

**Personal protective equipment**

- Respiratory protection : Use suitable protective equipment as necessary.
- Hand protection : Protective gloves
- Eye protection : Safety goggles, Eye shield, Face shield
- Skin and body protection : Protective suit, Safety shoes, Safety helmet, Apron

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: solid
Form	: pellets
Colour	: colourless
Odour	: almost odorless
Odour Threshold	: no data available
pH	: not applicable
Melting point/range	: 220 - 240 °C (Varies by product)
Boiling point/boiling range	: No information available.
Flash point	: > 200 °C
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 0.83 - 0.84 (Varies by product)
Water solubility	: insoluble
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Ignition temperature	: no data available
Burning rate	: no data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: no data available
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Dust or vapours may be ignite or explode by static electricity or other ignition sources.
Conditions to avoid	: Heat
Incompatible materials	: Strong oxidizers
Hazardous decomposition products	: no data available

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Primary Routes of Entry	: Inhalation, Eye contact, Skin contact, Ingestion
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**Potential Health Effects**

- Inhalation : May cause respiratory tract irritation.  
Skin contact : May cause skin irritation.  
Eye contact : May cause eye irritation.  
Ingestion : Causes digestive tract burns.

**Information on Carcinogenicity**

- IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  
NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Information on toxicological effects****Product:**

- Acute oral toxicity : No data is available on the product itself.  
Acute dermal toxicity : No data is available on the product itself.  
Acute inhalation toxicity : No data is available on the product itself.  
Skin corrosion/irritation : No data is available on the product itself.  
Serious eye damage/eye irritation : No data is available on the product itself.  
Sensitisation : No data is available on the product itself.  
Germ cell mutagenicity : No data is available on the product itself.  
Carcinogenicity : No data is available on the product itself.  
Reproductive toxicity : No data is available on the product itself.  
STOT - single exposure : No data is available on the product itself.  
STOT - repeated exposure : No data is available on the product itself.  
Aspiration toxicity : No data is available on the product itself.

**SECTION 12. ECOLOGICAL INFORMATION****Toxicity****Product:**

no data available

**Persistence and degradability****Product:**

no data available

**Bioaccumulative potential****Product:**

Partition coefficient: n-octanol/water : no data available

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**Mobility in soil****Product:**

no data available

**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: CAA 602 I  
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste from residues : In accordance with local and national regulations.  
Dispose of wastes in an approved waste disposal facility.  
When outsourcing waste treatment, be sure to notify the treatment company regarding the hazards before outsourcing.

Contaminated packaging : Dispose of contents/container in accordance with local/regional/national/international regulations.  
Empty the container completely before disposal.

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**SECTION 14. TRANSPORT INFORMATION****DOT**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

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**SECTION 15. REGULATORY INFORMATION****TSCA**

All components of this product are listed on the TSCA Inventory.

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 311/312 Hazards**

No SARA Hazards

**SARA 302**

This product does not contain any components with a SARA 302 RQ.

**SARA 313**

This product does not contain any components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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**California Prop 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Notification status**

Japan	ENCS:	On the inventory, or in compliance with the inventory.
European Union	REACH:	Contact us for information.
Canada	DSL, NDSL:	Contains one or more components that are listed on NDSL; other components are listed on DSL.
Australia	AICS:	On the inventory, or in compliance with the inventory.
Korea	KECI:	On the inventory, or in compliance with the inventory.
China	IECSC:	On the inventory, or in compliance with the inventory.
New Zealand	NZIoC:	Not in compliance with the inventory.
Philippines	PICCS:	Not in compliance with the inventory.

**SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

Date of preparation or last revision : 02/25/2015

List of references : In-house data  
Information acquired by literature documentation

This SDS was prepared in compliance with USA OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**Appendix**

This Safety Data Sheet covers these products:

**Group A**

Chemical name: 4-methyl-1-pentene 1-decene copolymer

CAS No.: 25155-83-3

RT18, RT31, DX350, DX370, DX818, DX820, DX845, DX470

**Group B**

Chemical name: 4-methyl-1-pentene 1-hexadecene 1-octadecene copolymer

CAS No.: 81229-87-0

DX231, DX310, DX324, MX001, MX002, MX002O, MX004, MX022, MX023