

Nan Ya Plastics Corporation, USA

GHS 101 Safety Data Sheet



1. PRODUCT IDENTIFICATION

MANUFACTURE:

Nan Ya Plastics Corporation USA
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Emergency: (800) 424-9300 (CHEMTREC)

SDS file No: GHS101-SDS-NPCTX002
Preparation Date: 02/01/2019
Supersedes Date: 02/01/2016

Product Name: PET Films
Product Types: (A)PET, PET(G), (R)PET
(A-Amorphous) (G-Glycol) (R-Recycled PET)
Chemical Family: Polyester – Polyethylene Terephthalate
Synonyms: Plastic Film, Rigid Film
Formula: Proprietary

Technical Information: (281) 727-7300

2. HAZARD IDENTIFICATION

Emergency Overview:

This Product does not require GHS warning Pictogram or notice.

During a Fire Emergency Primary Route(s) of Exposure:

Potential Health Effects and Symptoms of Over-Exposure during a fire emergency

During Fire Emergency, when this product is burned it may generate smoke

Eye Contact: Smoke from a fire emergency may cause eye irritation.
Skin Contact: Hot melted plastics from a fire may cause burns to skin.
Inhalation: Smoke from a fire emergency may cause respiratory irritation
Ingestion: Unlikely

Medical Conditions Aggravated by Overexposure

Available toxicological information and the physical/chemical properties of the material suggest that there is no evidence that this product aggravates an existing medical condition.

| | | | |
|--------------------------|------|------------------------------------|---|
| NFPA Rating | | HMIS Rating | |
| Fire - | 1 | Flammability – | 1 |
| Health – | 0 | Health – | 0 |
| Reactivity – | 0 | Reactivity – | 0 |
| Specific Hazard – | None | Personal Protection Index – | B |
| GHS Pictogram - | None | | |

| | | | |
|-------------------------|----------------|-----------------|-----------------|
| Carcinogenicity: | NPT: NO | IARC: NO | OSHA: NO |
|-------------------------|----------------|-----------------|-----------------|

3. PRODUCT INGREDIENTS

| No. | Components | Cas No. | Percent (%) | OSHA PEL |
|-----|-----------------------|---------------|-------------|-------------------------------------|
| 1 | PET | 25038-59-9 | 80~100% | 15mg/m ³ (Air born dust) |
| 2 | PETG | Not Published | 0~20% | 15mg/m ³ (Air born dust) |
| 3 | Proprietary Additives | Proprietary | 0~1% | 15mg/m ³ (Air born dust) |

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Do not rub the eyes. If irritation develops, consult a physician.
Skin Contact: If burned by hot plastics, get medical attention immediately.
Inhalation: If inhaled smoke from burning plastics, remove to fresh air. If symptoms develop, seek immediate medical attention.
Ingestion: Unlikely
Notes to Physician: Treat symptomatically and supportively.
Other Instructions: Never give anything by mouth to an unconscious person.

5. FIRE HAZARD DATA AND FIGHTING METHOD

| | | | |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------|
| Flash Point: | Not Applicable | Auto-ignition: | >420 °C/ 788 °F |
| Flammable Limits | In Air (LEL, %) Not Applicable (UEL, %) Not Applicable | Extinguishing Media: | Dry Chemical, Foam, Water, or Carbon Dioxide |
| Special Fire Fighting Procedures: | In the event of a fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Evacuate all personnel from danger area. Use dry chemical, foam, water, or carbon dioxide to extinguish fire. | | |
| Unusual Fire and Explosion Hazards: | The major gaseous products of the combustion of PET are carbon monoxide and carbon dioxide. | | |

6. ACCIDENTAL RELEASE CONTROL MEASURES

Response to Spills: Not Applicable

7. HANDLING AND STORAGE

Handling: Use with care. Wear Gloves if necessary when cutting or fabricating film.
Storage: Store in cool dry, well ventilated area away from sources of extreme heat or fire.
Container Use: Not Applicable

8. EXPOSURE CONTROL, PERSONAL PROTECTION RECOMMENDATIONS

Eye Protection: Wear safety glasses during film cutting or fabricating process.
Skin Protection: Wear gloves when cutting or fabricating film by hand.
Respiratory Protection: Fire Fighters should wear NIOSH approved self-contained breathing apparatus (SCBA) during fire emergency,
Engineering Control: Ventilation Requirements- Local Exhaust Specific General
Required work/Hygiene Procedure: Do not eat, drink, or smoke in work area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility.

Exposure Guidelines

| No. | Components | OSHA-PEL | ACGIH-TLV |
|-----|------------|----------------|----------------|
| P | PET Films | Not Applicable | Not Applicable |

9. PHYSICAL/CHEMICAL PROPERTIES*

| | | | |
|--------------------------------|--------------------------|--------------------------|--------------------------|
| Physical Form: | Solid Sheet | Color: | Clear to Opaque |
| Odor: | Insignificant | Boiling Point: | Not Applicable |
| Melting Point(Softens): | <100°C /212°F | Freezing Point: | Not Applicable |
| Solubility in Water: | None | Specific Gravity: | 1.25~1.36 (Water = 1) |
| Vapor Density: | Not Applicable (Air = 1) | Evaporation Rate: | None (Butyl Acetate = 1) |
| Vapor Pressure: | Not Applicable | pH: | Not Applicable |

*The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Stability: Stable
Conditional to Avoid: Fire or Extreme Heat
Hazardous Decomposition: If burned it will generate carbon dioxide, carbon monoxide.
Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

The information provided below can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

| Chemical | Toxicity Data |
|----------|----------------|
| PET Film | Not Applicable |

12. ECOLOGICAL INFORMATION

No Data is available on the adverse effects of this product on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Method: It must be disposed of in accordance with Federal, State and Local environmental control regulations.
Recycle/Reclaim: Recycling of PET film should be encouraged where possible.

14. TRANSPORT INFORMATION

| | | | |
|--------------------------|----------------|-------------------------------------------|----------------|
| DOT Shipping: | Not Listed | DOT Label: | Not Applicable |
| DOT Hazard Class: | Not regulated | UN/NA Number: | Not Applicable |
| Hazard Label(s): | Not Applicable | Hazard Placard(s): | Not Applicable |
| Packing Group: | Not Applicable | Bulk Packaging: | Not Applicable |
| RQ: | Not Applicable | Emergency Response Guide (ERG) No: | Not Applicable |

15. REGULATORY INFORMATION

| | | | |
|----------------------------------|---------------------------------------------------------|------------------------------------|------------|
| OSHA Status: | Not Listed, Non-Hazardous | EPA Clean Water Act Status: | Not Listed |
| EPA Clean Air Act Status: | Not Listed | CERCLA RQ: | Not Listed |
| TSCA Status: | All ingredients are listed on TSCA Inventory (40CFR710) | | |
| SARA Title III | PET Film | | |

Sec. 302* - None **Sec. 313**** - None **Sec. 311/312***** - None

*Reportable quantity of extremely hazardous substance, Sec 302. Threshold planning quantity, extremely hazardous substance, Sec. 302

**Toxic Chemical. Sec 313, Category as required by Sec. 313 (40CFR372.65C). Must be used on Toxic Release Inventory form.

***Hazard category for SARA SEC 311/312 reporting H1=acute health hazard, H2=chronic health hazard, P3=fire hazard, P4= sudden release of pressure hazard, P5= reactive hazard.

RCRA Status: It is the responsibility of the product user to determine at the time of disposal whether a material containing this product or derived from this product should be classified as a hazardous waste. (40CFR261.20~24)

Other Regulatory Information:

Chemicals are specifically listed by individual states; other product-specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

| | | | | |
|----------------------------|----------------------------------|------|--------------------|------|
| Chemical – PET Film | Regulated States: | NONE | Regulation: | NONE |
| | International Regulation: | NONE | | |

16. OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nan Ya Plastic Corporation, USA. Nan Ya Plastics Corporation, USA, or any of its subsidiaries do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Nan Ya Plastics Corporation, USA assumes no legal responsibility for loss, damage or expense arising out of or in any way connected with, the handling, storage, use or disposal of this product.
