



MSDS for Polypropylene (PP) Strapping

1. Identification • Product name: Polypropylene (PP) Strapping • Use: Packaging, bundling, pallet securing • Material: Polypropylene polymer
2. Hazard Identification • Not classified as hazardous under most regulations (e.g., GHS) • Main risks: • Sharp edges can cause cuts • Tensioned straps may snap and recoil (eye/face injury risk) • Burning material can release harmful fumes
3. Composition / Ingredients • Polypropylene (CAS No. 9003-07-0): ~100% • May contain minor additives (colorants, stabilizers)
4. First Aid Measures • Cuts/abrasions: Clean and dress wound • Eye injury (from recoil): Rinse with water and seek medical attention • Inhalation (fumes from fire): Move to fresh air
5. Fire Fighting Measures • Flammable: Yes (like most plastics) • Extinguishing media: Foam, dry chemical, CO₂, water spray • Hazardous combustion products: • Carbon monoxide (CO) • Carbon dioxide (CO₂) • Irritating smoke
6. Accidental Release Measures • Not applicable in liquid/spill sense • Collect and dispose or recycle properly
7. Handling and Storage • Store in a cool, dry place • Keep away from heat sources and open flames • Use caution when cutting tensioned straps
8. Exposure Controls / Personal Protection • Not typically required under normal use • Recommended: • Gloves (to prevent cuts) • Safety glasses (when cutting or tensioning)
9. Physical and Chemical Properties • Appearance: Solid plastic strap • Color: Various • Odor: Odorless • Melting point: ~160–170°C • Solubility: Insoluble in water
10. Stability and Reactivity • Stable under normal conditions • Avoid extreme heat and open flames
11. Toxicological Information • Non-toxic in solid form • Fumes from burning may be harmful
12. Ecological Information • Not biodegradable • Recyclable (depending on facilities) • May contribute to environmental pollution if not disposed properly
13. Disposal Considerations • Recycle where possible • Dispose according to local regulations
14. Transport Information • Not classified as dangerous goods
15. Regulatory Information • Generally not regulated as hazardous
16. Other Information • Use standard industrial hygiene practices