**Identified Uses Included in IUCLID 5.4 Section 3.5 (Life Cycle Description) of the LR REACH-Registration Dossier**

Substance: Chemically-produced (synthetic) molybdenum disulfide  
EINECS No. 235-721-1  
CAS No. 12612-50-9

### Manufacture

1. **Catalyst manufacture and/or use**  
   - ERC: 1, 3, 6a, 6b  
   - PROC: 1, 2, 3, 4, 8b, 9, 14  
   - PC: 19, 20  
   - SU: 3, 8, 9, 10  
   - OTHER: Catalytic substance, eg. catalysing reactions of desulfurisation or denitrogenation of petroleum cuts/  
   - SUPPLIED: in a mixture

2. **Catalyst regeneration and recycling**  
   - ERC: 4, 6a, 6b  
   - PROC: 1, 2, 3, 4, 8b, 9, 14, 22  
   - PC: 19  
   - SU: 3, 8, 9, 10  
   - SUPPLIED: in a mixture

### Uses at industrial sites

1. **Catalyst manufacture and/or use**  
   - ERC: 1, 3, 6a, 6b  
   - PROC: 1, 2, 3, 4, 8b, 9, 14  
   - PC: 19, 20  
   - SU: 3, 8, 9, 10  
   - OTHER: Catalytic substance, eg. catalysing reactions of desulfurisation or denitrogenation of petroleum cuts/  
   - SUPPLIED: in a mixture

2. **Catalyst regeneration and recycling**  
   - ERC: 4, 6a, 6b  
   - PROC: 1, 2, 3, 4, 8b, 9, 14, 22  
   - PC: 19  
   - SU: 3, 8, 9, 10  
   - SUPPLIED: in a mixture