

Uses cyclohexanone, CAS number 108-94-1

Table 1. Uses by workers in industrial settings

| Confidential | IU number | Identified Use (IU) name | Substance supplied to that use | Use descriptors |
|--------------|-----------|--------------------------|--------------------------------|--|
| | 1 | Manufacture | | <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>Subsequent service life relevant for that use?: no</p> |
| | 2 | Distribution | | <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>Subsequent service life relevant for that use?: no</p> |
| | 3 | Formulation (industrial) | | <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large</p> |

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| | | | | <p>containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>Market sector by type of chemical product:</p> <p>PC 1: Adhesives, sealants PC 8: Biocidal products (e.g. disinfectants, pest control) PC 9a: Coatings and paints, thinners, paint removes PC 9b: Fillers, putties, plasters, modelling clay PC 18: Ink and toners PC 27: Plant protection products</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>Sector of end use (SU):</p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> |
| | 4 | Use as intermediate | | <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>Market sector by type of chemical product:</p> <p>PC 19: Intermediate</p> <p>Environmental release category (ERC):</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> |

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| | | | | <p>Sector of end use (SU): SU 8: Manufacture of bulk, large scale chemicals (including petroleum products) SU 9: Manufacture of fine chemicals</p> |
| | 5 | Use as laboratory chemical (industrial and professional) | | <p>Process category (PROC): PROC 15: Use as laboratory reagent</p> <p>Market sector by type of chemical product: PC 21: Laboratory chemicals</p> <p>Environmental release category (ERC): ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8b: Wide dispersive indoor use of reactive substances in open systems ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix</p> <p>Sector of end use (SU): SU 0: Other: SU 0-2 NACE CODE: M 74.9</p> |
| | 6 | Use in coatings/paints (industrial) | | <p>Process category (PROC): PROC 7: Industrial spraying PROC 10: Roller application or brushing PROC 13: Treatment of articles by dipping and pouring</p> <p>Market sector by type of chemical product: PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removes PC 9b: Fillers, putties, plasters, modelling clay PC 18: Ink and toners</p> <p>Environmental release category (ERC): ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p>Sector of end use (SU): SU 7: Printing and reproduction of recorded media SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment SU 18: Manufacture of furniture SU 19: Building and construction work</p> |

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| | 9 | Use in biocidal products and plant protection products (industrial) | | <p>Process category (PROC): PROC 7: Industrial spraying PROC 10: Roller application or brushing</p> <p>Market sector by type of chemical product: PC 8: Biocidal products (e.g. disinfectants, pest control) PC 27: Plant protection products</p> <p>Environmental release category (ERC): ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p>Sector of end use (SU): SU 1: Agriculture, forestry and fishing</p> |

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Table 2. Uses by professional workers

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| | 5 | Use as laboratory chemical (industrial and professional) | | <p>Process category (PROC): PROC 15: Use as laboratory reagent</p> <p>Market sector by type of chemical product: PC 21: Laboratory chemicals</p> <p>Environmental release category (ERC): ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8b: Wide dispersive indoor use of reactive substances in open systems ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix</p> <p>Sector of end use (SU):</p> |
| | 7 | Use in coatings/paints (professional) | | <p>Process category (PROC): PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 10: Roller application or brushing PROC 11: Non industrial spraying PROC 13: Treatment of articles by dipping and pouring</p> <p>Market sector by type of chemical product: PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removes PC 9b: Fillers, putties, plasters, modelling clay PC 18: Ink and toners</p> <p>Environmental release category (ERC): ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8d: Wide dispersive outdoor use of processing aids in open systems</p> |

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| | | | | <p>ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p> <p>Sector of end use (SU):</p> |
| | 10 | Use in biocidal products and plant protection products (professional) | | <p>Process category (PROC):</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 11: Non industrial spraying</p> <p>Market sector by type of chemical product:</p> <p>PC 8: Biocidal products (e.g. disinfectants, pest control)</p> <p>PC 27: Plant protection products</p> <p>Environmental release category (ERC):</p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems</p> <p>ERC 8d: Wide dispersive outdoor use of processing aids in open systems</p> <p>Sector of end use (SU):</p> |

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Table 3. Uses by consumers

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|--------------|-----------|---|---|
| | 8 | Use in adhesives, coatings/paints and printing inks | <p>Chemical product category (PC): PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removes PC 18: Ink and toners</p> <p>Environmental release category (ERC): ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8d: Wide dispersive outdoor use of processing aids in open systems ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p> <p>Subsequent service life relevant for that use?: no</p> |
| | 11 | Use in biocidal products and plant protection products (consumer) | <p>Chemical product category (PC): PC 8: Biocidal products (e.g. disinfectants, pest control) PC 27: Plant protection products</p> <p>Environmental release category (ERC): ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8d: Wide dispersive outdoor use of processing aids in open systems</p> <p>Subsequent service life relevant for that use?: no</p> |