

ECLA**EUROPEAN CLASSIFICATION****B09B****DISPOSAL OF SOLID WASTE****Notes**

1. This subclass covers only single or combined, e.g. multistage, operations not fully classifiable in a single other subclass
2. In this subclass the following terms or expressions are added with the meanings indicated :
 - "disposal" means the discarding, e.g. dumping, or destroying of waste or its transformation into something useful or harmless;
 - "solid waste" includes waste which, although it has liquid content, is for practical purposes handled as solid
3. Attention is drawn to the following places:

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| <u>A23J1/16</u> | Obtaining proteins from waste water of starch manufacturing plants of like wastes |
| <u>A23K1/06</u> | Animal feeding-stuffs from distillers` or brewers` waste |
| <u>A23K1/08</u> | Animal feeding-stuffs from waste products of dairy plants |
| <u>A23K1/10</u> | Animal feeding-stuffs from kitchen waste |
| <u>A43B1/12</u> | Footwear made of rubber waste |
| <u>A61L11/00</u> | Disinfection or sterilisation methods specially adapted for refuse |
| <u>A62D3/00</u> | Chemical means for combatting harmful chemical agents; processes for making harmful chemical agents harmless |
| <u>B01D53/34</u> | Chemical purification of smoke or fumes, e.g. flue gas |
| <u>B02C18/40</u> | Disintegrating by knives or other cutting or tearing members, which chop material into fragments, specially adapted for disintegrating garbage, waste or sewage |
| <u>B03B7/00</u> | Combinations of wet processes or apparatus with other processes or apparatus, e.g. for dressing ores or garbage |
| <u>B03B9/06</u> | General arrangement of separating plant, e.g. flow sheets, specially adapted for refuse |
| <u>B05B15/04</u> | Control of spray area of spraying plant, e.g. masking, side shields; Means for collection or re-use of excess material |
| <u>B08B15/00</u> | Prevent escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area |
| <u>B23D25/14</u> | Machines or arrangements for shearing stock while the latter is travelling otherwise than in the direction of the cut without regard to the exact dimensions of the resulting material, e.g. for cutting up scrap |
| <u>B27B33/20</u> | Edge trimming saw blades or tools combined with means to disintegrate waste |
| <u>B29B17/00</u> | Recovery of plastics or other constituents of waste material containing plastics |
| <u>B30B9/32</u> | Presses for consolidating scrap metal or for compacting used cars |

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| B63B17/06 | Refuse discharge from vessels, e.g. for ash |
| [N: B63B17/00B] | Arrangements of installation for treating waste |
| | water or sewage on vessels |
| B65F1/00 | Refuse receptacles |
| B65F3/00 | Vehicles particularly adapted for collecting refuse |
| B65F5/00 | Gathering or removal of refuse otherwise than by receptacles or vehicles |
| B65F7/00 | Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles |
| C03C1/00 | Ingredients generally applicable to manufacture of glasses, glazes or vitreous enamels |
| C04B7/24 | Hydraulic cements from oil shales, residues or waste other than slag |
| C04B11/26 | Calcium sulfate cements from phosphogypsum or from waste, e.g. purification products of smoke |
| C04B18/04 | Waste materials or refuse used as fillers for mortars, concrete, artificial stone or the like |
| C04B22/00B | Waste inorganic materials used as active ingredients for mortars, concrete, artificial stone or the like |
| C04B24/00B | Waste organic materials used as active ingredients for mortars, concrete, artificial stone or the like |
| C05F9/00 | Fertilisers made from household or town refuse |
| C08J11/00 | Recovery of waste materials of macromolecular substances |
| C08L17/00 | Compositions of reclaimed rubber |
| C10B53/00 | Destructive distillation, specially adapted for particular solid raw materials or solid raw materials in special form |
| C10B57/00 | Other processes not covered before; Features of destructive distillation processes in general |
| C10G1/10 | Production of liquid hydrocarbon mixtures from rubber or rubber waste |
| C10L5/46 | Solid fuels essentially based on sewage, house or town refuse |
| C10L5/48 | Solid fuels essentially based on industrial residues and waste materials |
| C10M175/02 | Working-up used lubricants based on mineral oils |
| C11B13/00 | Recovery of fats, fatty oils, or fatty acids from waste materials |
| C11D19/00 | Recovery of glycerol from a saponification liquor |
| C12F3/00 | Recovery of by-products |
| C12F3/08 | Recovery of alcohol from press residues or other waste material |
| C12P7/08 | Biochemical production of ethanol from waste |
| C22B7/00 | Working-up raw materials other than ores, e.g. scrap, to produce non-ferrous metals or compounds thereof |
| C22B19/28 | Obtaining zinc or zinc oxide from muffle furnace residues |
| C22B19/30 | Obtaining zinc or zinc oxide from metallic residues or scrap |
| C22B25/06 | Obtaining tin from scrap |
| D01B | Mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments, e.g. for spinning |
| D01C5/00 | Carbonising rags to recover animal fibres |
| D01F13/00 | Recovery of starting material, waste material or solvents during the manufacture of artificial |

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| D01G11/00 | filaments or the like Disintegrating fibre-containing articles to obtain fibres for re-use |
| D01H11/00 | Arrangements for confining or removing dust, fly, or the like |
| D06L1/10 | Regeneration of used chemical baths used for dry-cleaning or washing fibres, fabrics or the like |
| D21B1/08 | Dry treatment of waste paper or rags for making paper or for the production of cellulose |
| D21B1/32 | Defibrating waste paper |
| D21C5/02 | Processes for obtaining cellulose by working-up waste paper |
| D21C11/14 | Regeneration of pulp liquors by wet combustion |
| D21F1/66 | Re-use of pulp-water in wet end machines for making continuous webs of paper |
| D21H17/01 | Waste products added to the pulp or used in paper-impregnating material |
| E03F | Sewers, Cesspools |
| E04F17/10 | Arrangements in building for the disposal of refuse |
| F23B5/00 | Combustion apparatus arrangements for burning uncombusted material from primary combustion |
| F23G | Consuming waste products by combustion |
| F23J | Removal or treatment of combustion products or combustion residues |
| G03C11/24 | Removing emulsion from waste photographic material |
| H01B15/00 | Apparatus or processes for salvaging material from electric cables |
| H01M6/52 | Reclaiming serviceable parts of waste cells or batteries |
| H01M10/54 | Reclaiming serviceable parts of waste accumulators |

B09B1/00 **Dumping solid waste**

- B09B1/00B** . [N: Sea dumping (disposal of radioactively contaminated material by storage under water [G21F9/24](#))]
- B09B1/00C** . [N: Covering of dumping sites] [N0005]
- B09B1/00D** . [N: Shafts or wells in waste dumps][N0005]
- B09B1/00E** . [N: Subterranean disposal e.g. in boreholes or subsurface fractures] [N1204]

B09B3/00 **Destroying solid waste or transforming solid waste [N: or contaminated solids] into something useful or harmless**

- B09B3/00A** . [N: comprising an adsorption step (separating processes involving the treatment of liquids with solid sorbents B01D15/00; separation of gases or vapors by adsorption B01D53/02)] [N1204]
- B09B3/00B** . [N: comprising an extraction step (separation by solvent extraction B01D11/00)] [N1204]

- B09B3/00D . [N: Agglomeration, binding or encapsulation of solid waste (solidification of sludge [C02F11/00F](#); waste materials as compounding ingredients in polymers [C08K11/00B](#))]
- B09B3/00D2 . . [N: using an organic binder or matrix]
- B09B3/00D4 . . [N: using a mineral binder or matrix, e.g. to obtain a soil like material ([C04B](#) takes precedence); Apparatus therefor] [C0004]
- B09B3/00D4M . . . [N: involving a melting step] [N0004]
- B09B3/00F . [N: Removing gases or liquids enclosed in discarded articles, e.g. aerosol cans, cooling systems of refrigerators (arrangements for charging or discharging refrigerant from refrigerators [F25B45/00](#)); Removing gases from discarded plastic foam products]
- B09B3/00H . [N: Disposal of asbestos]
- B09B3/00M . [N: Disposal of medical waste (casings for used articles, e.g. sharps [A61B19/02R2](#); sterilisation of refuse [A61L11/00](#); disposal of used needles or syringes [A61M5/32C](#); disintegrating medical waste [B02C19/12M](#))] [C9506]
- B09B3/00T . [N: by means of a thermal treatment, e.g. evaporation (treatment of waste by pyrolysis or by combustion [F23G5/00](#))] [N1204]
- B09B3/00T2 . . [N: Steam treatment] [N1204]
- B09B5/00** **Operations not covered by single other subclass or by a single other group in this subclass**