D02 - SAFETY KLEEN, EMISSIONS BY MASS BALANCE, UNCONTROLLED

CALCULATION METHODS

Ea = Ua x EF x Ci x (1 - e)

EH = Ea / H

NOTES:

- Emissions are based on mass balance assuming annual usage is already adjusted for waste disposal.

- Default emission (TOG) speciation profile is based on MSDS information. Use actual data if available.

- Emissions assume no additional controls.

POLLUTANT	District Emission Factor (lbs/lb TOG)	REFERENCE DOCUMENT	AP-42 FACTOR	(UNITS)	COMMENTS
NOX					
CO					
SOX					
TOG	1.0000				District Engineering estimates.
ROG	0.9935				TOG less exempt solvents.
TSP					
PM10					
BENZENE					
DICHLOROBENZENE	0.0020				District Engineering estimate based on MSDS information.
ETHYL BENZENE	0.0050				District Engineering estimate based on MSDS information.
GLYCOL ETHERS, UNSPECIFIED	0.0100				District Engineering estimate based on MSDS information.
METHYLENE CHLORIDE	0.0015				District Engineering estimate based on MSDS information.
NAPHTHALENE	0.0300				District Engineering estimate based on MSDS information.
PERCHLOROETHYLENE	0.0025				District Engineering estimate based on MSDS information.
TOLUENE	0.0025				District Engineering estimate based on MSDS information.
1,1,1 TRICHLOROETHANE	0.0025				District Engineering estimate based on MSDS information.
XYLENES	0.0100				District Engineering estimate based on MSDS information.

TOG EMISSION FACTORS;

UNIT TYPE	TOG FACTOR (LBS/DAY)	TOG FACTOR (LBS/HR)	TOG FACTOR (LBS/YEAR)
10,11	0.12	0.0050	43.80
14	0.17	0.0071	62.05
16,17	0.44	0.0183	160.60
23	0.10	0.0042	36.50
30	0.67	0.0279	244.55
33	0.67	0.0279	244.55
34,34.1	1.34	0.0558	489.10

44,46	2.00	0.0833	730.00
60	0.17	0.0071	62.05
81	1.20	0.0500	438.00

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