TRAMOS® Oxygen

CLEANER and DEGREASER

Distributor:
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TRAMOS Oxygen Cleaner is a concentrated product that when diluted with water can be used for all possible oxygen cleaning and degreasing operations.

ADVANTAGES

- Non-toxic
- Non-flammable
- Contains no phosphates, acids, silicones and is non-butyl
- Safe to use on all kinds of metals and plastics
- Biodegradable
- Easily removes oil, grease and dirt from surfaces
- Splits oils rather then emulsifying them, allowing the oils to be removed and the cleaner re-used.
- Fast, intense cleaning action surpasses other cleaners' performances
- Leaves cleaned surfaces slightly *anti-static*
- Very economical to use
- Low VOC (3.5 g/L concentrate, less than 1 g/L as used)

PROPERTIES

NFPA Hazard Class:	Health	0 (as used)
	Flammability	0
	Reactivity	0

VOC: <1 g/L (as used)
pH: 12.9 (concentrate)
Flash point: None

DILUTION

- 25% solution. One part TRAMOS to 3 parts water,
- Other dilutions such as 10% are very effective but should be evaluated before using.

METHOD OF ACTION

- TRAMOS Oxygen Cleaner penetrates the contamination, breaking surface tension, easily dissolving organic substances and breaks down many chemical compounds.
- The use of carbon chains in this system makes this cleaning agent biodegradable. The chemical reactions that take place when using TRAMOS Oxygen Cleaner completely disintegrate these linear carbon chains.
- Both cationic and non-ionic reducing agents are used, allowing TRAMOS Oxygen Cleaner to work very efficiently at low temperatures. The concentrate's high pH (12.9) is partly caused by the cationic ingredients. This pH allows TRAMOS Oxygen Cleaner to clean solid washable surfaces without marring the substrate. The buffering of this product allows it to have a Health Hazard Class of 0, as used.
- The non-ionic ingredient increases the product's penetration into the dirt. It also decreases the static attraction of the dirt to the substrate by encasing the dirt particles, preventing them from attaching to the surface.
- Oil-based products are decomposed by TRAMOS Oxygen Cleaner. It splits oils rather then emulsifying them, allowing the oils to be removed and the cleaner re-used.
- The cationic and non-ionic ingredients work well in hard water since they are not sensitive to Calcium or Magnesium ions.