



MSDS / SDS
SAFETY DATA SHEET

TRAMOS® H.D.C. POWER CLEANER

ACCORDING TO DIRECTIVE 1907/2006/EC

DATE : 17 / 09 / 2012

EMISSION : 12/001 replaces all previous information

Revision of -

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Chemical denomination	:	PREPARATION
Product denomination	:	T.R. H.D.C.
Commercial denomination	:	TRAMOS® H.D.C. POWER CLEANER
Manufacturer	:	TRAMOS® INTERNATIONAL N.V. Helststraat 51 unit 11 2630 Aartselaar (Antwerp) - Belgium Tel: +32 3/825 44 48 Fax: +32 3/825 44 38 E-mail address: info@tramos.be
Liabe person	:	Mr. R. Teysen
Emergency telephone number	:	+32 3 8254448 (8-18h)
Use	:	Strong cleaning agent for several industrial applications

2. DANGER IDENTIFICATION

Irritant for skin.
Risk of serious eye damage.
May cause sensitization by skin contact.

3. COMPOSITION / INFORMATION ON COMPONENTS

Chemical composition :	Weight %	CAS nr.	EC nr.	R-wording	Symbol
Sweet Oil (orange terpenes)	5-10 %	8028-48-6	232-433-8	38-43-51/53-65	Xn
Butyldiglycol	25-50 %	112-34-5	203-961-6	36	Xi
C9-C11 ALCOHOLETOXYLATE (4)	10-25 %	68439-46-3	X	38, 41	Xi
Methyl Laurate	10-25 %	111-82-0	203-911-3	36/38	Xi

Ingredients declaration according to the surfactants Directive 648/2004/EG :
15-30% non ionic surfactants.
Contains parfum.

4. FIRST AID MEASURES

* In case of eye contact	:	Rinse immediately with copious amounts of water (15 min.). Seek medical advice.
* In case of skin contact	:	Rinse the skin with plenty of water. Wash with soap.
* In case of ingestion	:	Rinse the mouth with water. Seek medical advice.
* In case of inhalation	:	Bring into fresh air. If necessary seek medical advice.



5. FIRE-FIGHTING MEASURES

- * Extinguishing agents : Spray mist, alcohol resistant foam.
- * Extinguishing agents to be avoided : Foam not resistant to alcohol, heavy water spray.
- * Special exposure hazards arising from the product : Release of toxic gases : NO_x and CO_x.
- * Fire-fighting instruction : Wear protective clothing and air mask.

6. ACCIDENTAL RELEASE MEASURES

- * Personal precautions : Avoid contact with skin and eyes. Wear safety goggles and protective gloves.
- * Environmental precautions : Can not be drained into the outlet system, surface water or groundwater.
- * Measures in case of leakage/spreading : Remove the spill with absorbing material and store into appropriate drums.
Remove the residue with plenty of water.

7. HANDLING AND STORAGE

- * Handling : Avoid contact with skin and eyes. Do not breathe in the mist. Ventilate the working area.
- * Storage : Store frost proof. Keep separated from strong acids and oxidizing agents.
Do not use aluminum packaging.

8. EXPOSURE CONTROLS / INDIVIDUAL PRECAUTIONS

- * OELs :
Butyldiglycol : Limit values (Belgium 6/2009) : TWA 8h : 50mg/m³
- * Personal protection
 - Respiration system : Well ventilated area. Avoid inhaling of the mist.
 - Hands protection : Wear neoprene or nitril gloves.
 - Eye protection : Wear safety goggles.
 - Skin protection : Wear protective clothing.
- * Hygienically precautions : Do not eat, drink or smoke while handling this preparation

9. PHYSICAL AND CHEMICAL PROPERTIES

- * Physical condition at 20°C : Liquid
- * Color : Yellow
- * Smell : Citrus
- * pH value (20°C) : 9,4
1% in water
- * Volume weight at 20°C : 0,956 kg/l
- * Flash point : >75°C
- * Solubility in water : 100%



10. STABILITY AND REACTIVITY

- * Stable by normal use.
- * Substances to avoid : Do not store near to acid based products, oxidizing agents and strong bases.
- * Hazardous decomposable products : NH₃, NO_x, Cox. Formation of peroxides is possible.

11. TOXICOLOGICAL INFORMATION

- * Inhalation (mist) : Possible irritation of respiratory tract.
- * Ingestion : Possible irritation of throat and esophagus.
- * Skin contact : Possible degreasing of the skin.
May cause sensitization by skin contact.
- * Eye contact : Strong Irritation, redness, pain. Risk of serious eye damage.

12. ECOLOGICAL INFORMATION

- * Water danger : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- * Additional information : None

13. REMOVING / DRAINING OF THE PREPARATION

- * Dispose of the waste material according to the Local Environmental Regulations.
- * Removing of residues: rinse with plenty of water.

14. TRANSPORT INFORMATION

According to the ADR/RID regulations this product is classified as not dangerous.

- * Road transport:
 - UN Number : -
 - Description :
 - ADR / VLG Class & Figure :
- * Air transport
 - UN- Number : -
 - Description :
 - IATA Class / Packing group:
- * Sea transport
 - UN- Number : -
 - Description :
 - IMCO Class / Packing group:
 - Label : MP



15. REGULATORY INFORMATION

Labeling

* Danger symbols	: Xi (Irritant)
* Risk wording (R)	R38 : Irritating to skin. R41 : Risk of serious eye damage. R43 : May cause sensitization by skin contact.
* Safety wording (S)	S-26 : In case of eye contact, rinse with copious amounts of water. Seek medical advice. S 36/37/39 : wear protective clothing, protective gloves and protection for eyes/face. S 45 : In case of accident or if you feel unwell, seek medical advice immediately.

Product contains : Sweet Oil (terpenes)

16. OTHER INFORMATION

Relevant R-phrases of § 3

R36/38 : Irritating to eyes and skin.

R36 : Irritating to eyes.

R38 : Irritating to skin

R41 : Risk of serious eye damage.

R43 : May cause sensitization by skin contact

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 : Harmful : may cause lung damage if swallowed.

Although this information has been drawn up with the greatest precision, it is only given as an indication and can not bind us in any way.

This information is based on our current level of knowledge and relates to the state in which it is delivered. Tramos® International N.V. does not accept any responsibility for damage in case of inexpert use of this product.

The details mentioned are based on the recent state of knowledge and refer to the concentrated product. In this MSDS the necessary safety measures have been mentioned and therefore it is no technical information for the area of application.

