

**HEALTH AND SAFETY DATA SHEET 91/155/EEC**

**01/06/2007**

**1. Product and manufacturer description**

Product name: **QUICK'WASH "BOOSTER" & "BOOSTER PLUS"**

Manufacturer information:

**RECYL SARL**

**17 Rue de Montréal - Ville la Grand - FRANCE - 74100 ANNEMASSE**

**TEL: 0033/ 450 92 48 68**

**FAX: 0033/ 450 95 54 72**

**2. Product composition**

Component which can be dangerous:

Nr- CAS	Nr- EINECS	Name	Content	Symbol	R-sentence
111-76-2	203-905-0	Alcoxyetheralcohol	< 18% ( <b>&lt; 1.8%</b> )	Xn Xi	R20/21/22 R36/38
141-43-5	205-483-3	Ethanolamine	< 4% ( <b>&lt; 0.4%</b> )	C Xi	R34 R36/37/38
68439-46-3	-	Ethoxy-alcohol	< 1% ( <b>&lt; 0.1%</b> )	Xn	R22/41

**IN BOLD CHARACTERS, WE SHOW THE FIGURES OF THE PRODUCT AT A 10 x DILUTION  
CORRESPONDING TO THE USEFUL RECOMMENDED DILUTION**

**3. Possible danger of the mixture - Not classified like dangerous**

**Risk for health:** Irritating for the respiratory tracts, eyes and skin  
Harmful by inhalation

**Risk for the environment:** *Not classified like dangerous*

**Effects and symptoms:** **Eyes:** causes irritation

**Skin:** causes irritation / harmful in the event of extended contact

**Inhalation:** dangerous when inhaled, causes respiratory system irritation, harmful in the event of extended exposure.

**Ingestion:** causes nausea or weakness and may have repercussions on the nervous system. Contains substances that cause kidney and liver injury.

**4. First emergency actions**

**After ingestion:** Nothing to make introduce, not to cause a vomiting and call a doctor immediately.

**After inhalation:** Remove the victim from the contaminated area. If the victim does not breathe, apply artificial respiration. If the victim breathes with difficulty, give oxygen. Call a doctor immediately.

**After contact with eyes and skin:** immediately rinse with plenty of water for 10/15 minutes; in the event of contamination, to remove clothing, the shoes and call a doctor immediately.

**5- Fire fighting measures** *NON FLAMABLE AQUOUS SOLUTION*

**Extinguishing means:** No restriction EXCEPT water hoses

**Hazardous decomposition products** are carbon oxides and nitrogen.

**Non explosive product** according to established regulation criteria

**Fire fighter protection:** respiratory device and full fire resistant suit.

**6- Spillage measures**

**Personal protection:** Contact the emergency personnel, do not walk or touch the spilt product. Use adequate protection (see § 8) and follow the fire fighting procedures (see § 5). Use goggle, gloves, boots, protection clothing.

**Environment protection and cleaning procedure:** Contain the substance. If the amount is low, add an absorbing product and place in a waterproof container prior to disposal. If the amount is high, prevent leakage to surrounding waterways and collect the product in an appropriate container for disposal (see § 13).

**7. Handling and storage**

**Handling:** Avoid any contact and use only in ventilated place. Not to inhale.

**Storage:** In a dry and ventilated place, container kept well closed.

## 8. Exposition limits and personal protection means

Name of ingredients	Limits of professional exposure			
<b>ETHANOLAMINE</b>	<b>ACGIH TLV (USA, 2002)</b>			
	STEL: 15 mg / m <sup>3</sup>	15 minutes	TWA: 7.5 mg / m <sup>3</sup>	8 hours
	STEL: 6 ppm	15 minutes	TWA: 3 ppm	8 hours
<b>Alcoxy ether alcool</b>	<b>80/1107/EEC (Europe 2000). Skin</b>			
	STEL: 246 mg/m <sup>3</sup>	15 minutes	TWA: 98 mg/m <sup>3</sup>	8 hours
	STEL: 50 ppm	15 minutes	TWA: 20 ppm	8 hours

**Exposure control measures:** Provide forced ventilation to keep vapours in suspension under their limits. Showers and eyewashes should be installed near the workstation.

**Hygiene:** Wash thoroughly after handling, especially before eating or smoking.

**Respiratory system protection:** do not inhale vapours or fog, use in a properly ventilated environment. Possibly use a respirator.

**Skin protection:** wear nitrile gloves preferably, as well as chemical product shoes. Avoid any contact as a rule. Check the performance of the protection accessories.

**Eye protection:** chemical protection goggles.

## 9. Chemical and physical properties

<b>Form:</b> liquid	<b>Colour:</b> pink transparency	<b>Odour:</b> weak, fruity
Auto-ignition temperature		240°C
Flash point		> 68° C (in closed cupel)
Viscosity	20°C	20 seconds (FORD IV)
Density	20°C	1 g/cm <sup>3</sup> (about)
Vapor density		2.6 (air = 1)
Explosivity limits		//
Solubility in water	20°C	Complete
Boiling point	(P atmosph.)	100° C
Melting point		< - 10° C
Vapor pressure	20°C	18 mm Hg – 2.25 kPa
<b>pH value</b>		<b>10.5</b>
<b>pH value diluted 10 X</b>		<b>9.7</b>

## 10. Stability and reactivity

**Conditions to avoid:** Heat - sun exposure / Freezing

**Incompatibility:** Very oxidizing matters and strong alkaline.

## 11. Toxicology information

### Acute toxicology

<b>Ingredient</b>	<b>Test</b>	<b>Result</b>	<b>Ways</b>	<b>Species</b>
MONOETHANOLAMINE (PURE)	DL50	14 g/kg	Oral	Mammal
MONOETHANOLAMINE (DILUTED 10 X)	DL50	140 g/kg	Oral	Mammal
Alcoxy ether alcool (pure)	DL 50	560 mg/kg	Oral	Rat
Alcoxy ether alcool (diluted 10 x)	DL 50	5600 mg/kg	Oral	Rat

**Chronic toxicology:** No item in this product exceeding .1% is rated as carcinogenic, mutagenous or as having an effect on reproduction according to ACGIH, CIRC, CE criteria.

## 12. Ecotoxicological information

ETHANOLAMINE (PURE)	Red fish (CL50)	96 Hours	1.7 g/ L
ETHANOLAMINE (DILUTED 10 X)	Red fish (CL50)	96 Hours	17 g/ L
Alcoxy ether alcool - Pure	Red fish (CL 50)	96 Hours	1490 mg/l
Alcoxy ether alcool - Diluted 10 x	Red fish (CL 50)	96 Hours	14900 mg/l

Good biodegradability, not rated as dangerous to the environment. Dissolves quickly in water.

**13. Waste disposal information**

Do not dispose into the ground and surface water. Seek professional advice to determine whether local or national regulations classify the waste as hazardous. Only use approved professionals for storage, recycling, transport or processing.

**14. Transport information**

Regulation of the road transport (ADR), by sea (IMDG) and by air (ICAO/IATA) : Classified

**Road transport (ADR):**

UN 2491 ETHANOLAMINE (solution) Classify 8 Group III Undetermined label

**Maritime transport (IMDG):**

UN 2491 ETHANOLAMINE (solution) Classify 8 Group III Undetermined label

**Air transport (ICAO et IATA-DGR):**

UN 2491 ETHANOLAMINE (solution) Classify 8 Group III Undetermined label

**15. Prescriptions****Product description:**

Contains ETHANOLAMINE

**Xn****Harmful**

205-483-3

**Risk phrases:** R20/21/22 Harmful when inhaled, or in the event of skin contact and ingestion.  
R36/37/38 Irritant to the skin, the eyes and respiratory tracts.

**Safety information:**

S2 Keep away from children.  
S46 When ingested, seek medical attention immediately and show the label or packaging to the doctor.  
S36/37 Wear appropriate clothes and protection gloves.

**16. Adding informations**

**Purpose of the product:** Rinsing and cleaning all the parts polluted with water ink.

**Rinsing of the product:** With water.

USE OF THIS PRODUCT IN MACHINES COMPLIES WITH ATEX STANDARDS.