

Reference Number : 161  
 Revision Date : 15/05/2002  
 Revision Number : 4  
 Material / Trade Name : RESOLVE

**1 - Substance Identification** (Synonym : )  
 Material / Trade Name : RESOLVE  
 Material Type : DISHWASHER DETERGENT  
 Company : The Paramount Group  
 Address : Lydney Industrial Estate,  
 Harbour Rd, Lydney  
 Gloucestershire, UK  
 GL15 4EJ  
 Telephone : 01594 842688  
 Fax : 01594 842989  
 Emergency Telephone : 01594 842688

2 - Composition	Substance	% Wt.	Cas Number	Eec Number
	Nitrilotriacetic Acid Trisodium Salt	12-15%	5064-31-3	
	Sodium Hydroxide	5-7%	1310-73-2	215-185-5

**3 - Hazard Identification**

a) Hazard Symbols:



C;R35

b) Risk & Safety:

R35 CAUSES SEVERE BURNS  
 S2 Keep Out Of Reach Of Children  
 S26 In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water  
 S37 Wear Suitable Gloves  
 S39 Wear Eye/Face Protection

**4 - First-aid Measures**

a) Inhalation:

Not Applicable

b) Eyes:

Undiluted Product...  
 Immediately Flood With Copious Amounts Of Water, Holding The Eye Open If Necessary  
 Irrigate With Water For At Least 15 Minutes  
 Take Care Not To Wash Chemical From One Eye To The Other  
 Get Prompt Medical Attention  
 Diluted Product...

c) Skin:

Irrigate With Water Until Irritation Subsides, If Irritation Persists Seek  
 Undiluted Product...  
 Drench Affected Area Of Skin With Running Water For At Least 10 Mins  
 Obtain Medical Attention Immediately  
 Remove Clothing And Wash Contaminated Area With Plenty Of Water  
 Diluted Product...  
 As Above...

d) Ingestion:

Undiluted Product...  
 Wash Out Mouth With Water  
 Give Plenty Of Water Or Milk To Drink  
 Do Not Induce Vomiting  
 Seek Medical Advice Immediately  
 Diluted Product...  
 As Above...  
 Give Water To Drink To Dilute Product Further. Seek Medical Advice

Reference Number : 161  
Revision Date : 15/05/2002  
Revision Number : 4  
Material / Trade Name : RESOLVE

**5 - Fire-fighting Measures****a) Suitable Extinguishers:**

Substance Does Not In Itself Represent A Fire Hazard  
Carbon Dioxide (CO2) - Black  
Foam - Cream  
Dry Powder - Blue  
Water Fog

**b) Unsuitable Extinguishers:**

Not Applicable

**c) Hazardous Decomposition:**

May Create Oxides Of Nitrogen

**d) Special Procedures:**

Do Not Breathe Decomposition Products And Fumes  
Use Approved Self-Contained Breathing Apparatus  
Use Water Spray To Cool Containers

**6 - Accidental Release Measures****a) Exposure Controls:**

Mark Area And Warn All Personnel  
Do Not Allow Undiluted Product To Enter Surface Water Drains

**b) Personal Protection:**

Avoid Contact With Skin And Eyes  
Wear Appropriate Protective Clothing - See Section 8

**c) Disposal Considerations:**

Absorb In Inert Material Such As Sand Or Absorbent Granules  
Scoop Up And Place In Plastic Container To Await Transfer  
Dispose Of In Accordance With Local Authority Regulations  
Do Not Allow Undiluted Product To Enter Surface Water Drains

**7 - Handling And Storage****a) Handling:**

Avoid Skin Contact  
Wash Hands Immediately After Contamination  
Avoid Eye Contact  
Wear Appropriate Protective Clothing - See Section 8

**b) Storage:**

Store In Original Containers  
Avoid Contact With Aluminium, Copper, Nickel, Zinc And Their Alloys  
Store Away From Strong Oxidising Agents  
Store Between 5° & 40°C

Reference Number : 161  
 Revision Date : 15/05/2002  
 Revision Number : 4  
 Material / Trade Name : RESOLVE

## 8 - Exposure Controls

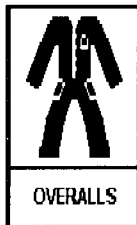
Occupational Exposure Limit : Sodium Hydroxide STEL 2mgm3  
 Biological Exposure Limit : NOT DETERMINED



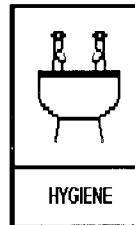
Avoid Skin Contact



Avoid Contact With  
 Eyes. Wear  
 Protection If  
 Splashing Is  
 Likely



If Splashing Is  
 Likely



If Skin Is  
 Contaminated, Wash  
 Off Immediately

## 9 - Physical &amp; Chemical Properties

Appearance	YELLOW LIQUID
Odour	NONE
Ph	12 - 14 AT 20°C
Boiling Point/range	NOT APPLICABLE
Melting Point/range	NOT APPLICABLE
Flash Point	NOT APPLICABLE
Flammability	NOT APPLICABLE
Autoflammability	NOT APPLICABLE
Explosive Properties	NONE
Oxidising Properties	NONE
Vapour Pressure	NOT APPLICABLE
Relative Density	1.165 nominally
Solubility	UNLIMITED IN WATER
Partition Coefficient	NOT APPLICABLE
Miscibility	NOT DETERMINED
Vapour Density	NOT APPLICABLE
Evaporation Rate	NOT APPLICABLE
Viscosity	NOT APPLICABLE

## 10 - Stability And Reactivity

Stability: Stable In Normal Usage  
 Avoid Prolonged Contact with Aluminium and Zinc  
 Do Not Mix with Bleach or Bleach Based Cleaning Agents  
 Materials To Avoid : Peroxides & Bleaches

## 11 - Toxicological Information

Health Effects: Corrosive To Eyes And May Cause Corneal Damage  
 Health Effects: Corrosive To Skin, Causing Ulceration & Possibly Dermatitis  
 Health Effects: Ingestion Causes Severe Irritation & Corrosion Of The Mouth,  
 Throat & Digestive Tract

Reference Number : 161  
 Revision Date : 15/05/2002  
 Revision Number : 4  
 Material / Trade Name : RESOLVE

## 12 - Ecological Information

Ecotoxicity: No Specific Data Available  
 Surfactant Content Readily Biodegradable  
 Do Not Release Into Surface Waters

## 13 - Disposal Considerations

Do Not Discharge Into Surface Water Drains  
 Dispose Of In Accordance With Local Authority Regulations  
 Use Only Properly Licensed Contractors

## 14 - Transport Information

UN/SI Number: 3266  
 IMO: 8, Corrosiv Packing Grp: II Marine Pollutant: NO  
 IATA/ICAO: Packing Grp:  
 ADR/RID: Item:  
 Transport Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
 Hazchem/Kemler Code: 2X  
 Hazard Identification Number 80, Special Provisions 185

## 15 - Regulatory Information

## a) Hazard Symbols:



C;R35

## b) Risk &amp; Safety:

R35 CAUSES SEVERE BURNS  
 S2 Keep Out Of Reach Of Children  
 S26 In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water  
 S37 Wear Suitable Gloves  
 S39 Wear Eye/Face Protection

## c) Other Regulations:

Control Of Substances Hazardous To Health Regulations 1988  
 Health & Safety At Work Act 1974

## d) Transport Information:

UN/SI Number: 3266  
 IMO: 8, Corrosiv Packing Grp: II Marine Pollutant: NO  
 IATA/ICAO: Packing Grp:  
 ADR/RID: Item:  
 Transport Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
 Hazchem/Kemler Code: 2X  
 Hazard Identification Number 80, Special Provisions 185

## 16 - Other Information

Ensure Product Is Not Used By Untrained Staff