

SAFETY DATA SHEET



EXCELSIOR FR-920 Excelsior Finish Remover

Version 1.1 Revision Date: 05/23/2016 MSDS Number: FR-920 Date of last issue: 05/23/2016
Date of first issue: 05/23/2016

SECTION 1. IDENTIFICATION

Product name : EXCELSIOR FINISH REMOVER

Product code : FR-920

Manufacturer or supplier's details

Company name of supplier : XL North

Address : 63 Water Street
Fall River MA 02722

Telephone : (508) 675-0528

Telefax : (508) 673-2222

Emergency telephone number : (CHEMTREC): (800) 424-9300 (CHEMTREC International):
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-
1300 Danny Welch (ehs@trcc.com)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1

Serious eye damage : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. -
No smoking.
P264 Wash skin thoroughly after handling.

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P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous components

| Chemical Name | CAS-No. | Concentration (%) |
|-----------------|----------|-------------------|
| 2-butoxyethanol | 111-76-2 | >= 20 - < 30 |
| 2-aminoethanol | 141-43-5 | >= 5 - < 10 |

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air in case of accidental inhalation of vapours.

Call a physician or poison control centre immediately.

Oxygen or artificial respiration if needed.

In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

If symptoms persist, call a physician.

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In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical advice.

Keep eye wide open while rinsing.

If swallowed : Do not induce vomiting without medical advice.

Never give anything by mouth to an unconscious person.

If conscious, drink plenty of water.

Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Foam

Water mist

ABC powder

Carbon dioxide (CO₂)

Specific hazards during fire-fighting : Burning produces irritant fumes.

Do not allow run-off from fire fighting to enter drains or water courses.

Cool closed containers exposed to fire with water spray.

Exposure to decomposition products may be a hazard to health.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use water spray to cool unopened containers.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Exposure to decomposition products may be a hazard to health.

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Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Use non-slip safety shoes in areas where spills or leaks can occur.
Material can create slippery conditions.
Ensure adequate ventilation.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.

Do not allow uncontrolled discharge of product into the environment.

Do not allow contact with soil, surface or ground water.

Do not let product enter drains.
- Methods and materials for containment and cleaning up : Dam up.

Clean contaminated floors and objects thoroughly while observing environmental regulations.

Pick up and transfer to properly labelled containers.

Sweep up and shovel.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
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SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is flammable but not readily ignited.
- Advice on safe handling : Wear personal protective equipment.

Take care to avoid waste and spillage when weighing, loading and mixing the product.

Handle with care.
- Conditions for safe storage : No smoking.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Observe label precautions.
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Keep in properly labelled containers.

Materials to avoid : Do not freeze.

Keep away from oxidising agents and strongly acid or alkaline materials.

Keep away from tobacco products.

Keep away from food and drink.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-----------------|----------|----------------------------------|--|-----------|
| 2-butoxyethanol | 111-76-2 | TWA | 20 ppm | ACGIH |
| | | TWA | 5 ppm 24 mg/m ³ | NIOSH REL |
| | | TWA | 50 ppm 240 mg/m ³ | OSHA Z-1 |
| | | TWA | 25 ppm 120 mg/m ³ | OSHA P0 |
| 2-aminoethanol | 141-43-5 | TWA | 3 ppm | ACGIH |
| | | STEL | 6 ppm | ACGIH |
| | | TWA | 3 ppm 8 mg/m ³ | NIOSH REL |
| | | ST | 6 ppm 15 mg/m ³ | NIOSH REL |
| | | TWA | 3 ppm 6 mg/m ³ | OSHA Z-1 |
| | | STEL | 6 ppm 15 mg/m ³ | OSHA P0 |
| | | TWA | 3 ppm 8 mg/m ³ | OSHA P0 |

Biological occupational exposure limits

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|-----------------|----------|-------------------------|---------------------|--|---------------------------|-----------|
| 2-butoxyethanol | 111-76-2 | Butoxyacetic acid (BAA) | Urine | End of shift (As soon as possible after exposure ceases) | 200 mg/g | ACGIH BEI |

Engineering measures : Handle only in a place equipped with local exhaust (or other

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appropriate exhaust).

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Use NIOSH approved respiratory protection.
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection
Material : Impervious gloves
- Eye protection : Safety glasses with side-shields
Face-shield
Tightly fitting safety goggles
- Skin and body protection : Chemical resistant apron
Change working clothes after each workshift.
Skin should be washed after contact.
Footwear protecting against chemicals
- Protective measures : Avoid contact with skin.
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
When using do not eat, drink or smoke.
- Hygiene measures : Do not smoke.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Change working clothes after each workshift.
Avoid contact with skin, eyes and clothing.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : clear
- Odour : characteristic

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| pH | : | 11.5 - 12.5 |
| Melting point/range | : | No data available |
| Boiling point/boiling range | : | 212 °F |
| Flash point | : | 163 °F |
| Upper explosion limit | : | No data available |
| Lower explosion limit | : | No data available |
| Vapour pressure | : | No data available |
| Density | : | 955 - 965 kg/m3 |
| Solubility(ies) | | |
| Water solubility | : | completely soluble |
| Solubility in other solvents | : | not determined |
| Partition coefficient: n-octanol/water | : | No data available |

SECTION 10. STABILITY AND REACTIVITY

| | | |
|------------------------------------|---|--|
| Reactivity | : | Stable |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions. |
| Conditions to avoid | : | Protect from frost. Heat, flames and sparks. |
| Incompatible materials | : | Oxidizing agents Strong acids and strong bases |
| Hazardous decomposition products | : | Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke. |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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| Acute oral toxicity | : | LD50 Oral (Rat): 1,720 mg/kg Target Organs: Lungs, Upper respiratory tract, Gastrointesti- |
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nal tract, Eyes, Skin
Remarks: Harmful if swallowed.
The value is given in analogy to the following substances:

Acute inhalation toxicity : Remarks: Inhalation of mist or dried residue causes irritation of respiratory system.

Skin corrosion/irritation

Product:

Remarks: Acute dermal irritation/corrosion

Serious eye damage/eye irritation

Product:

Remarks: Acute eye irritation/corrosion

Respiratory or skin sensitisation

Product:

Remarks: Not applicable

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 227 mg/l
Exposure time: 96 h
The value is given in analogy to the following substances:

Toxicity to daphnia and other :
aquatic invertebrates : Remarks: No data available

Toxicity to algae :
: Remarks: No data available

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Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations.

Contaminated packaging : Clean container with water.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

UN/ID No. : UN 1760
Proper shipping name : Corrosive liquid, n.o.s.
(ETHANOLAMINE)
Class : 8
Packing group : II
Labels : Corrosive
Packing instruction (cargo aircraft) : 855

IMDG-Code

UN number : UN 1760
Proper shipping name : CORROSIVE LIQUID, N.O.S.
Class : 8
Packing group : II
Labels : 8
EmS Code : F-A, S-B
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

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UN/ID/NA number : UN 1760
Proper shipping name : CORROSIVE LIQUIDS, N.O.S.
(ETHANOLAMINE)
Class : 8
Packing group : II
Labels : CORROSIVE
ERG Code : 154
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

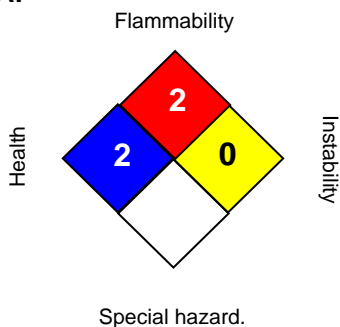
SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

| | |
|------------------------|----------|
| HEALTH | 2 |
| FLAMMABILITY | 2 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a

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guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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