

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/21/2008

Reviewed on 01/21/2008

1 Identification of substance

· Product details

- Trade name: Ultra Seal 30 EF
- Article number: 83-308691
- Application of the substance / the preparation

· Manufacturer/Supplier:

Dayton Superior
4226 Kansas Avenue
Kansas City, KS 66106

Tel.: (866) 329-8724

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- Information department: Environmental, Health, and Safety department.

2 Composition/Data on components

· Chemical characterization

- Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

25265-77-4	Trime-1,3-pentandiol, monoisobutyrate	≤ 2.5%
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	≤ 1%
7664-41-7	ammonia, anhydrous	≤ 1%

- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description: Not applicable.

· Information pertaining to particular dangers for man and environment:

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.

· Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4)



Health = 0
Fire = 1
Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = *0
FIRE	1	Fire = 1
PHYSICAL HAZARD	0	Reactivity = 0

4 First aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 2)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/21/2008

Reviewed on 01/21/2008

Trade name: Ultra Seal 30 EF

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Protective equipment:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

7664-41-7 ammonia, anhydrous

PEL	35 mg/m ³ , 50 ppm
REL	Short-term value: 27 mg/m ³ , 35 ppm Long-term value: 18 mg/m ³ , 25 ppm
TLV	Short-term value: 24 mg/m ³ , 35 ppm Long-term value: 17 mg/m ³ , 25 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

(Contd. on page 3)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/21/2008

Reviewed on 01/21/2008

Trade name: Ultra Seal 30 EF

(Contd. of page 2)

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:** Wear appropriate eye protection to prevent eye contact.

9 Physical and chemical properties

· General Information

Form: Liquid
Color: According to product specification
Odor: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100°C (212°F)

· **Flash point:** 100°C (212°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 20°C (68°F):** 23.0 hPa (17 mm Hg)

· **Density:** Not determined.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Solvent content:

Water: 59.1 %

· **Solids content:** 30.0 %

· **Volatile Organic Compounds:** 95 g/l

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

(Contd. on page 4)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/21/2008

Reviewed on 01/21/2008

Trade name: Ultra Seal 30 EF

(Contd. of page 3)

Carcinogenic.

13 Disposal considerations

- **Product:**

- **Recommendation:**

It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

· DOT regulations:	Not Regulated
· Hazard class:	N/A
· Limited Quantity Exemption:	No Limited Quantity exemption applies for this shipping class.
· U.S. Domestic Ground Shipments:	Same as listed for Standard Shipments above.
· U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments:	Same as listed for Standard Shipments above.
· Emergency Response Guide (ERG) Number:	Not determine
· Land transport ADR/RID (cross-border):	Not Regulated
· ADR/RID class:	N/A
· Maritime transport IMDG:	Not Regulated
· IMDG Class:	N/A
· Marine pollutant:	No
· Air transport ICAO-TI and IATA-DGR:	Not Regulated
· ICAO/IATA Class:	N/A

15 Regulations

- **Sara**

- **Section 355 (extremely hazardous substances):**

7664-41-7	ammonia, anhydrous
-----------	--------------------

- **Section 313 (Specific toxic chemical listings):**

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

107-21-1	ethanediol	≤1%
7664-41-7	ammonia, anhydrous	≤1%
123-91-1	1,4-dioxane	≤0.01%
75-07-0	acetaldehyde	≤0.01%

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

(Contd. on page 5)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/21/2008

Reviewed on 01/21/2008

Trade name: Ultra Seal 30 EF

(Contd. of page 4)

· **Proposition 65**· **Chemicals known to the State of California (Prop. 65) to cause cancer:**

123-91-1	1,4-dioxane
75-07-0	acetaldehyde

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

123-91-1	1,4-dioxane	B2
75-07-0	acetaldehyde	B2

· **IARC (International Agency for Research on Cancer)**

7631-86-9	silicon dioxide, chemically prepared	3
123-91-1	1,4-dioxane	2B
75-07-0	acetaldehyde	2B

· **NTP (National Toxicology Program)**

123-91-1	1,4-dioxane	R
75-07-0	acetaldehyde	R

· **TLV (Threshold Limit Value established by ACGIH)**

107-21-1	ethanediol	A4
123-91-1	1,4-dioxane	A3
75-07-0	acetaldehyde	A3

· **MAK (German Maximum Workplace Concentration)**

123-91-1	1,4-dioxane	4
75-07-0	acetaldehyde	3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

123-91-1	1,4-dioxane
75-07-0	acetaldehyde

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:** T Toxic· **Hazard-determining components of labelling:** Distillates (petroleum), hydrotreated heavynaphthenic· **Risk phrases:** 45 May cause cancer.

(Contd. on page 6)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/21/2008

Reviewed on 01/21/2008

Trade name: Ultra Seal 30 EF

(Contd. of page 5)

· Safety phrases:

- 2 Keep out of the reach of children.
- 13 Keep away from food, drink and animal feedingstuffs.
- 20 When using do not eat or drink.
- 29 Do not empty into drains.
- 36/39 Wear suitable protective clothing and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 46 If swallowed, seek medical advice immediately and show this container or label.

· National regulations:

- **Water hazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager