

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 04/07/2008

Reviewed on 04/07/2008

1 Identification of substance

- **Product details**
- **Trade name:** Rebar Epoxy Spray (J-62)
- **Article number:** 83-69660
- **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:**

67-64-1	acetone	25-50%
74-98-6	propane	10-25%
106-97-8	butane (containing $\geq 0,1$ % butadiene (203-450-8))	$\leq 10\%$
1330-20-7	xylene	$\leq 10\%$
8052-41-3	Stoddard solvent	$\leq 10\%$
75-28-5	isobutane (containing $\geq 0,1$ % butadiene (203-450-8))	$\leq 5\%$

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

3 Hazards identification

- **Hazard description:** May cause skin and eye irritation.
- **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. Has a narcotizing effect.
- **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)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	4	Fire = 4
PHYSICAL HAZARD	1	Reactivity = 1

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4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **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:**
Prevent seepage into sewage system, workpits and cellars.
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.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Do not gas tight seal receptacle.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

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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:**

67-64-1 acetone

PEL 2400 mg/m³, 1000 ppm
 REL 590 mg/m³, 250 ppm
 TLV Short-term value: 1782 mg/m³, 750 ppm
 Long-term value: 1188 mg/m³, 500 ppm
 BEI

74-98-6 propane

PEL 1800 mg/m³, 1000 ppm
 REL 1800 mg/m³, 1000 ppm
 TLV (4508) mg/m³, (2500) ppm

106-97-8 butane (containing ≥0,1 % butadiene (203-450-8))

REL 1900 mg/m³, 800 ppm
 TLV 1900 mg/m³, 800 ppm

1330-20-7 xylene

PEL 435 mg/m³, 100 ppm
 REL Short-term value: 655 mg/m³, 150 ppm
 Long-term value: 435 mg/m³, 100 ppm
 (o-, m-, & p-isomers)
 TLV Short-term value: 651 mg/m³, 150 ppm
 Long-term value: 434 mg/m³, 100 ppm
 BEI

8052-41-3 Stoddard solvent

PEL 2900 mg/m³, 500 ppm
 REL Short-term value: C 1800* mg/m³
 Long-term value: 350 mg/m³
 *15-min
 TLV 525 mg/m³, 100 ppm

75-28-5 isobutane (containing ≥0,1 % butadiene (203-450-8))

REL 1900 mg/m³, 800 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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Suitable respiratory protective device recommended.

· **Protection of hands:**



Protective gloves

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

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· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **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: -22°C (-8°F)

· **Flash point:** -19°C (-2°F)

· **Ignition temperature:** 230.0°C (446°F)

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

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower: 1.5 Vol %

Upper: 13.0 Vol %

· **Vapor pressure at 20°C (68°F):** 8300.0 hPa (6226 mm Hg)

· **Density at 20°C (68°F):** 0.700 g/cm³

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

· **Solvent content:**

Organic solvents: 73.0 %

· **Solids content:** 13.0 %

· **Volatile Organic Compounds:** Not determined

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.

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11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** May cause skin irritation.

- **on the eye:** Irritating effect.

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

- **Additional toxicological information:**

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

Irritant

Carcinogenic.

12 Ecological information

- **General notes:**

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

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

13 Disposal considerations

- **Product:**

- **Recommendation:**

Must not be disposed of as normal garbage. Do not allow product to reach sewage system.

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:**



- **Hazard class:**

3

- **Identification number:**

UN1268

- **Packing group:**

I

- **Proper shipping name (technical name):**

PETROLEUM DISTILLATES, N.O.S.

- **Label**

3

- **Limited Quantity Exemption:**

Limited Quantity applies for packages 0.1 gallons or smaller (per part).

- **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.

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· **Emergency Response Guide (ERG) Number:** Not determine

· **Land transport ADR/RID (cross-border):**



· **ADR/RID class:** 3 Flammable liquids
 · **Danger code (Kemler):** 33
 · **UN-Number:** 1268
 · **Packaging group:** I
 · **Description of goods:** 1268 PETROLEUM DISTILLATES, N.O.S.

· **Maritime transport IMDG:**



· **IMDG Class:** 3
 · **UN Number:** 1268
 · **Label:** 3
 · **Packaging group:** I
 · **EMS Number:** F-E,S-E
 · **Marine pollutant:** No
 · **Propper shipping name:** PETROLEUM DISTILLATES, N.O.S.

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1268
 · **Label:** 3
 · **Packaging group:** I
 · **Propper shipping name:** PETROLEUM DISTILLATES, N.O.S.

15 Regulations

· **Sara**

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

None of the ingredient is listed.

· **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.

1330-20-7	xylene	≤10%
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· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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· **Proposition 65**

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

None of the ingredients is listed.

· **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)**

67-64-1	acetone	D
1330-20-7	xylene	D

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

1330-20-7	xylene	3
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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

67-64-1	acetone	A4
1330-20-7	xylene	A4

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **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

F+ Extremely flammable

· **Hazard-determining components of labelling:** Stoddard solvent

· **Risk phrases:**

45 May cause cancer.

12 Extremely flammable.

36/37/38 Irritating to eyes, respiratory system and skin.

67 Vapours may cause drowsiness and dizziness.

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· **Safety phrases:**

- 2 *Keep out of the reach of children.*
- 3 *Keep in a cool place.*
- 9 *Keep container in a well-ventilated place.*
- 13 *Keep away from food, drink and animal feedingstuffs.*
- 16 *Keep away from sources of ignition - No smoking.*
- 20 *When using do not eat or drink.*
- 23 *Do not breathe fumes/aerosol.*
- 24/25 *Avoid contact with skin and eyes.*
- 26 *In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*
- 28 *After contact with skin, wash immediately with plenty of soap and water.*
- 29/56 *Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.*
- 36/39 *Wear suitable protective clothing and eye/face protection.*
- 43 *In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.*
- 45 *In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*
- 52 *Not recommended for interior use on large surface areas.*
- 64 *If swallowed, rinse mouth with water (only if the person is conscious).*

· **Special labeling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

· **National regulations:**

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

16 Other information

The provided 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.

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