

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 07/31/2007

Revision Number 2

Reviewed on 07/23/2007

1 Identification of substance

- **Product details**
- **Trade name:** DC13554 HYDRA-FASTEN ADHESIVES
- **Article number:** 13554
- **Manufacturer/Supplier:**
 Royal Adhesives And Sealants, LLC
 2001 W. Washington Street
 South Bend IN 46628-2023
- **Information department:** Environment protection department.

2 Composition/Data on components

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

· **Dangerous components:**

64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)	3.3%
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- **Additional information:** For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:** Not applicable.
- **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	1	Health = 1
FIRE	1	Fire = 1
PHYSICAL HAZARD	0	Physical Hazard = 0

4 First aid measures

- **After inhalation:** Supply fresh air or oxygen; call for doctor.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Seek immediate medical advice.

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5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Protective clothing and respiratory protective device.
- **Additional information**
Sustained combustibility (49 CFR 173 appendix H) product does not sustain combustion @ 140 degrees F or at 167 degrees F.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste in accordance with federal state and local regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Store in cool dry area away from direct heat (60-90 degrees F).
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **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:** Keep receptacle tightly sealed.

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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment (see listings below)**
- **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.

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- **Breathing equipment:**
In the absence of adequate ventilation, NIOSH-certified respiratory protection for organic vapor should be used as necessary. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:** Protective gloves
- **Eye protection:** Safety glasses with side shields.

9 Physical and chemical properties

· General Information

Form:	Liquid
Color:	Off White
Odor:	Characteristic

· Change in condition

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

· Flash point:

50°C (122°F)
DOES NOT EXHIBIT SUSTAINED COMBUSTIBILITY.

· Auto igniting:

Product is not selfigniting.

· Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Specific gravity:

1.03

· Solubility in / Miscibility with

Water:	Dispersible.
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· Solvent content:

Organic solvents:	3.3 %
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· Solids content:

50.0 %

· Additional information:

VOC: = .29 lb/gal OR 34 GRAMS/L
66 G/L (SCAQMD RULE 1168 METHOD)
Weight per gallon: = 8.61

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:**
Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Generally this product does not irritate the skin.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitizing effect through inhalation is possible with prolonged exposure.

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- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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.
Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport information

- **Maritime transport IMDG:**
- **Remarks:** Non regulated

* 15 Regulations

- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
- **Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity:**
None of the ingredients is listed.
- **(DSL) Canada Domestic Substance List**
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.
- **Carcinogenicity categories**
- **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
- **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **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-determining components of labelling:**

Solvent naphtha (petroleum), light aliph.(VM&P)

· **Risk phrases:** Slight irritant.

· **National regulations:**

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

16 Other information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, Royal Adhesives & Sealants makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Royal Adhesives & Sealants or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

· **Department issuing MSDS:** Environment protection department.

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