

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS

Printing date 02.11.2012

Revision: 02.11.2012

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **BIG RED SOLVENT K-105**

CAS Number:

8052-41-3

EC number:

232-489-3

Index number:

649-345-00-4

Big Red Supply

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation Petroleum product.

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Big Red Supply

135 St. Charles Street

Bowling Green, KY 42101

270-842-7809 or 800-786-0170

Further information obtainable from: Product Safety Department

1.4 Emergency telephone number:

ChemTel Inc.

(800)255-3924, +1 (813)248-0585

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

R10: Flammable.

Carc. Cat. 2, Muta. Cat. 2

Information concerning particular hazards for human and environment: Not applicable.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**



GHS02 GHS08

· **Signal word** Danger

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

Stoddard solvent

· **Hazard statements**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

Restricted to professional users.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P240 Ground/bond container and receiving equipment.

P233 Keep container tightly closed.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.

P405 Store locked up.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Hazard description:**

· **WHMIS-symbols:**

B3 - Combustible liquid



· **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 2

Reactivity = 0

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

HEALTH	1	Health = 1
FIRE	2	Fire = 2
REACTIVITY	0	Reactivity = 0

- **HMIS Long Term Health Hazard Substances**

Substance is not listed.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**
8052-41-3 Stoddard solvent
- **Identification number(s)**
- **EC number:** 232-489-3
- **Index number:** 649-345-00-4

4 First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Take affected persons out into the fresh air.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Clean with water and soap.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Protect unharmed eye.
Rinse opened eye for several minutes under running water.
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
A person vomiting while laying on their back should be turned onto their side.
- **4.2 Most important symptoms and effects, both acute and delayed**
Coughing
Gastric or intestinal disorders
Breathing difficulty
Dizziness

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- **Hazards**

- Danger of pulmonary oedema.

- Danger of impaired breathing.

- **4.3 Indication of any immediate medical attention and special treatment needed**

- If swallowed, gastric irrigation with added, activated carbon.

- If swallowed or in case of vomiting, danger of entering the lungs.

- If necessary oxygen respiration treatment.

- Later observation for pneumonia and pulmonary oedema.

- Medical supervision for at least 48 hours.

5 Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water

- **5.2 Special hazards arising from the substance or mixture**

- In case of fire, the following can be released:

- Carbon monoxide (CO)

- Under certain fire conditions, traces of other toxic gases cannot be excluded.

- **5.3 Advice for firefighters**

- **Protective equipment:**

- Wear self-contained respiratory protective device.

- Wear fully protective suit.

- **Additional information** Cool endangered receptacles with water fog or haze.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

- Use respiratory protective device against the effects of fumes/dust/aerosol.

- Ensure adequate ventilation

- Keep away from ignition sources.

- Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:**

- Do not allow to enter sewers/ surface or ground water.

- Prevent from spreading (e.g. by damming-in or oil barriers).

- Do not allow to penetrate the ground/soil.

- **6.3 Methods and material for containment and cleaning up:**

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- Dispose contaminated material as waste according to item 13.

- Remove from the water surface (e.g. skim or suck off).

- **6.4 Reference to other sections**

- See Section 7 for information on safe handling.

- See Section 8 for information on personal protection equipment.

- See Section 13 for disposal information.

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7 Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

7.2 Information about fire - and explosion protection:

Protect from heat.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Do not spray onto a naked flame or any incandescent material.
Emergency cooling must be available in case of nearby fire.

7.3 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Provide ventilation for receptacles.
Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

8052-41-3 Stoddard solvent

PEL (USA)	2900 mg/m ³ , 500 ppm
REL (USA)	Short-term value: C 1800* mg/m ³ Long-term value: 350 mg/m ³ *15-min
TLV (USA)	525 mg/m ³ , 100 ppm
EL (Canada)	Short-term value: 580 mg/m ³ Long-term value: 290 mg/m ³
EV (Canada)	525 mg/m ³

DNELs No further relevant information available.

PNECs No further relevant information available.

Additional information: The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Wash hands before breaks and at the end of work.
 - Do not inhale gases / fumes / aerosols.
 - Avoid close or long term contact with the skin.
 - Avoid contact with the eyes.
- **Respiratory protection:**
 - Use suitable respiratory protective device in case of insufficient ventilation.
 - Use suitable respiratory protective device when aerosol or mist is formed.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **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.
- **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.
- **For the permanent contact gloves made of the following materials are suitable:**
 - Butyl rubber, BR
 - Neoprene gloves
 - Nitrile rubber, NBR
- **Not suitable are gloves made of the following materials:** Leather gloves
- **Eye protection:**



Safety glasses

- **Body protection:** Solvent resistant protective clothing
- **Limitation and supervision of exposure into the environment**
 - No further relevant information available.
- **Risk management measures**
 - See Section 7 for additional information.
 - No further relevant information available.

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9 Physical and chemical properties

. 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form:	Fluid
Colour:	Not determined.
Odour:	Characteristic
Odour threshold:	Not determined.

. pH-value: Not determined.

. Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	300 °F / 149 °C

. Flash point: 106 °F / 41 °C

. Flammability (solid, gaseous): Not applicable.

. Ignition temperature: 446 °F / 230 °C

. Decomposition temperature: Not determined.

. Self-igniting: Not determined.

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

. Explosion limits:

Lower:	1,1 Vol %
Upper:	6 Vol %

. Vapour pressure: Not determined.

. Density at 20 °C: 0,79 g/cm³

. Relative density: Not determined.

. Vapour density: Not determined.

. Evaporation rate: Not determined.

. Solubility in / Miscibility with

water: Not miscible or difficult to mix.

. Partition coefficient (n-octanol/water): Not determined.

. Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

. 9.2 Other information: No further relevant information available.

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10 Stability and reactivity

- . **10.1 Reactivity**
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- . **10.3 Possibility of hazardous reactions**
Flammable.
Used empty containers may contain product gases which form explosive mixtures with air.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.
Reacts with peroxides and other radical forming substances.
- . **10.4 Conditions to avoid**
Keep ignition sources away - Do not smoke.
Store away from oxidizing agents.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** Slight irritant effect on skin and mucous membranes.
- . **on the eye:** Slight irritant effect on eyes.
- . **Sensitization:** No sensitizing effects known.
- . **Subacute to chronic toxicity:** Vapours have narcotic effect.
- . **Additional toxicological information:**
Harmful
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

12 Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** The material is harmful to the environment.
- . **12.2 Persistence and degradability** The product is partly biodegradable. Significant residuals remain.
- . **12.3 Bioaccumulative potential**
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
This statement was deduced from products with a similar structure or composition.
Avoid transfer into the environment.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

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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.

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Can be reused after reprocessing.
Contact waste processors for recycling information.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|------------------------------------|
| 14.1 UN-Number | |
| DOT, ADR, IMDG, IATA | UN1268 |
| 14.2 UN proper shipping name | |
| DOT, IMDG, IATA | PETROLEUM DISTILLATES, N.O.S. |
| ADR | 1268 PETROLEUM DISTILLATES, N.O.S. |
| 14.3 Transport hazard class(es) | |
| DOT | |
|  | |
| Class | 3 Flammable liquids. |
| Label | 3 |
| ADR | |
|  | |
| Class | 3 (F1) Flammable liquids. |

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. Label	3
. IMDG, IATA	
	
. Class	3 Flammable liquids.
. Label	3
. 14.4 Packing group	
. DOT, ADR, IMDG, IATA	III
. 14.5 Environmental hazards:	
. Marine pollutant:	No
. 14.6 Special precautions for user	
. Danger code (Kemler):	Warning: Flammable liquids.
. EMS Number:	30
. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Not applicable.	
. Transport/Additional information:	
. ADR	
. Limited quantities (LQ)	5L
. Transport category	3
. Tunnel restriction code	D/E
. UN "Model Regulation":	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

15 Regulatory information

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- . United States (USA)
- . SARA

. Section 355 (extremely hazardous substances):

Substance is not listed.

. Section 313 (Specific toxic chemical listings):

Substance is not listed.

. TSCA (Toxic Substances Control Act):

Substance is listed.

. Proposition 65 (California):

. Chemicals known to cause cancer:

Substance is not listed.

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. Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

. Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

. Chemicals known to cause developmental toxicity:

Substance is not listed.

. Carcinogenic Categories

. EPA (Environmental Protection Agency)

Substance is not listed.

. IARC (International Agency for Research on Cancer)

Substance is not listed.

. TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

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

Substance is not listed.

. OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

. Canada

. Canadian Domestic Substances List (DSL)

Substance is listed.

. Canadian Ingredient Disclosure list (limit 0.1%)

Substance is not listed.

. Canadian Ingredient Disclosure list (limit 1%)

Substance is listed.

. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

. Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

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· Sources

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