Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 12/09/2005 Reviewed on 12/09/2005

1 Identification of substance

Trade name: **RED-ORANGE FLUORESCENT**

Product code: SP20RO

Manufacturer/Supplier: Keson Industries, Inc.
810 Commerce Street
Aurora, IL 60504-7931
Phone: 1-800-34-KESON
www.keson.com

Information department: Health & Safety Department
Emergency information: CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S.

2 Composition/Data on components

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

74-98-6	propane	17.87%
106-97-8	n-butane	10.49%
1317-65-3	Calcium Carbonate	10.49%
108-88-3	Toluene	10.09%
1330-20-7	xylene (mix)	7.97%
64742-89-8	VM&P Naptha	6.38%
100-41-4	ethyl benzene	1.98%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description:  Irritant
Flammable

Physical dangers: Warning! Flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
Flammable.
Irritating to eyes, respiratory system and skin.
Keep out of the reach of children.

Effects of short-term overexposure: Vapors cause irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue,swelling of eyes, and nausea.

Effects of chronic overexposure: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA ratings (scale 0 - 4): Health- 1
Flammability- 3
Reactivity- 3

HMIS-ratings (scale 0 - 4): Health- 1
Flammability- 3
Physical Hazard-3

4 First aid measures

After inhalation: If breathing is difficult, administer oxygen.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Contact physician or poison control center.

5 Fire fighting measures

Extinguishing agents: CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6 Accidental release measures

Personal safety precautions: Wear protective equipment. Keep unprotected persons away.

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Environmental safety precautions: Do not allow product to reach sewage systems or ground water.
Inform appropriate authorities in case of seepage into water course or sewage system.

Measures for cleaning/ collecting: Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

7 Handling and storage

Fire/explosion protection: Do not spray on a naked flame or any incandescent material.
Do not smoke. Protect from electrostatic charges.

Storage requirements: Observe pressurized container storage regulations. Consult with your local authorities.
Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

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 n-butane

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

1317-65-3 Calcium Carbonate

PEL	15*; 5** mg/m³ *Total dust **Respirable fraction
REL	10*; 5** mg/m³ *Total dust **Respirable fraction
TLV	10 mg/m³ (e)

1330-20-7 xylene (mix)

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

100-41-4 ethyl benzene

PEL	435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 543 mg/m³, 125 ppm Long-term value: 434 mg/m³, 100 ppm BEI

Additional information: The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. However, a two year rat and mouse gavage study by the National Toxicology Program on mixed xylene isomers including 17% ethylbenzene showed no evidence of carcinogenicity.

Protective hygienic measures: Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing equipment: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties:

General Information:

Form: Aerosol

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Color:	According to trade name description in section 1.
Odor:	Solvent
Boiling point/Boiling range:	-44°C (-47°F)
Flash point:	-19°C (-2°F)
Ignition temperature:	365.0°C (689°F)
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit:	1.5 Vol %
Upper Explosion Limit:	10.9 Vol %
Vapor Pressure:	40 PSI, 2750 hPa
Density:	Not determined.
Specific Gravity:	Between 0.77 and 0.90 (Water equals 1.00)
VOC content:	566.9 g/l / 4.73 lb/gl
VOC in weight percent (less acetone):	45.0 %
Water:	20.6 %
Solids content:	24.2 %

10 Stability and reactivity:

Conditions to be avoided: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.
Possibility of Hazardous Reactions: No dangerous reactions known.

11 Toxicological information:

Primary effect on the skin: Irritant to skin and mucous membranes.
Primary effect on the eye: Irritating effect.
Sensitization: No sensitizing effects known.
Additional toxicological information: Harmful

12 Ecological information

Other information: This product does not contain any chloroflourocarbons (CFC's),chlorinated solvents, or heavy metals (lead, mercury, cadmium, etc.). No specific ecological data is available for this product.

13 Disposal considerations

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.
Recommendation: Empty cans should be recycled.

14 Transport information:

Hazard class:	2.1
Identification number:	N/A
Label	2.1
ADR/RID class:	2 5F Gases
UN-Number:	1950
IMDG Class:	2
Packaging group:	II
EMS Number:	F-D,S-U
Marine pollutant:	No
ICAO/IATA Class:	2.1
Propper shipping name:	Aerosols, Flammable Consumer Commodity ORM-D

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15 Regulations

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

1330-20-7	xylene (mix)
100-41-4	ethyl benzene

TSCA (Toxic Substances Control Act): All ingredients are listed.

PROPOSITION 65 Chemicals known to cause cancer:

108-88-3	Toluene
100-41-4	ethyl benzene

PROPOSITION 65 Chemicals known to cause reproductive toxicity:

108-88-3	Toluene

Canadian WHMIS: Class A, B5---Flammable Aerosols

EPA: A= Known human carcinogen B= Probable human carcinogen
C= Possible human carcinogen
D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

1330-20-7	xylene (mix)	D
100-41-4	ethyl benzene	D

IARC: Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.
Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

1330-20-7	xylene (mix)	3
100-41-4	ethyl benzene	2B

ACGIH TLVs: A1-designates a confirmed human carcinogen.
A2-designates a suspected human carcinogen.
A3-designates an animal carcinogen.
A4-designates "not classifiable as a human carcinogen".

1330-20-7	xylene (mix)	A4

NIOSH:

None of the ingredients is listed.

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.