

Creation Date 12-Aug-2010

Revision Date 12-Aug-2010

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name Clear-Rite 3
Cat No. 6901, 6905, 6915, 6955
Synonyms No information available.
Recommended Use Laboratory chemicals

Company Richard Allan Scientific
 A Subsidiary of Thermo Fisher Scientific
 4481 Campus Drive
 Kalamazoo, MI 49008
 Tel: (800) 522-7270

Emergency Telephone Number Chemtrec US: (800) 424-9300
 Chemtrec EU: 001 (202) 483-7616

2. HAZARDS IDENTIFICATION

The product is classified as dangerous in accordance with Directive 1999/45/EC or 67/548/EEC.



R -phrase(s)

R11 - Highly flammable
 R45 - May cause cancer
 R46 - May cause heritable genetic damage
 R53 - May cause long-term adverse effects in the aquatic environment
 R65 - Harmful: may cause lung damage if swallowed
 R66 - Repeated exposure may cause skin dryness or cracking

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	Weight %	EC No.	Classification
Proprietary Mixture of Aliphatic Hydrocarbons NA	100	-	F;R11 Carc.Cat.2;R45 Muta.Cat.2;R46 R53 Xn;R65 R66

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For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire

Specific Hazards Arising from the Chemical

Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

Flash Point	18.3°C / 64.9°F
Method	No information available.
Autoignition Temperature	No information available.
Explosion Limits	
Lower	0.8 vol %
Upper	7.0 vol %

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges.
Environmental Precautions	Should not be released into the environment.
Methods for Containment and Clean Up	Remove all sources of ignition Soak up with inert absorbent material Use spark-proof tools and explosion-proof equipment Take precautionary measures against static discharges Keep in suitable and closed containers for disposal

7. HANDLING AND STORAGE

Handling	Use only under a chemical fume hood. Use explosion-proof equipment. Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Do not ingest.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Flammables area.
Specific use(s)	No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

The product does not contain any hazardous materials with occupational exposure limits established.

Occupational exposure controls

Engineering Measures	Use only under a chemical fume hood Use explosion-proof electrical/ventilating/lighting/equipment Ensure that eyewash stations and safety showers are close to the workstation location
Personal Protective Equipment	
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection	Tightly fitting safety goggles
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Hand Protection	Protective gloves
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	No information available.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear Colorless
odor	aromatic
pH	No information available.
Vapor Pressure	< 30 mmHg @ 25 °C
Vapor Density	4.1 - 5.0
Boiling Point/Range	116 - 176°C / 240.8 - 348.8°F
Melting Point/Range	No information available.
Flash Point	18.3°C / 64.9°F
Explosion Limits	
Lower	0.8 vol %
Upper	7.0 vol %
Specific Gravity	0.73 @ 15.6°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions .	None under normal processing..

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	No acute toxicity information is available for this product
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Component Information

Chronic Toxicity

Carcinogenicity	May cause cancer
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Sensitization	No information available.
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Neurological Effects	No information available.
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Mutagenic Effects	May cause heritable genetic damage
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organs	Lungs, Skin, Liver, Kidney.
Other Adverse Effects	The toxicological properties have not been fully investigated..

12. ECOLOGICAL INFORMATION

Ecotoxicity

Do not empty into drains. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability	No information available
Bioaccumulative Potential	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

IMDG/IMO

UN-No	UN1268
Hazard Class	3
Packing Group	II
Proper Shipping Name	PETROLEUM PRODUCTS, N.O.S.

ADR

UN-No	UN1268
Hazard Class	3
Packing Group	III
Proper Shipping Name	PETROLEUM PRODUCTS, N.O.S.

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14. TRANSPORT INFORMATION

IATA

UN-No	UN1268
Hazard Class	3
Packing Group	II
Proper Shipping Name	PETROLEUM PRODUCTS, N.O.S.

15. REGULATORY INFORMATION

The product is classified as dangerous in accordance with Directive 1999/45/EC or 67/548/EEC

Labelling

Symbol(s)

F - Highly flammable T - Toxic



R -phrase(s)

R11 - Highly flammable
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S -phrase(s)

S 7 - Keep container tightly closed
 S 9 - Keep container in a well-ventilated place
 S16 - Keep away from sources of ignition. No smoking
 S33 - Take precautionary measures against static discharges
 S53 - Avoid exposure - obtain special instructions before use
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
 S37/39 - Wear suitable gloves and eye/face protection

International Inventories

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16. OTHER INFORMATION**Text of R phrases mentioned in Section 2-3**

R11 - Highly flammable

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R65 - Harmful: may cause lung damage if swallowed

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Revision Summary	"****", and red text indicates revision
Restrictions on use	No information available.
Training advice	No information available.
Literary reference	No information available.

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet