

MATERIAL SAFETY DATA SHEET

acc. to ISO/DIS 11014)

Data sheet No.: MSDS0083USA

Issue 1;

Date: 12.05.2011

1. PRODUCT IDENTIFICATION

Product Name: Testifire TS3 Smoke Capsule

Part Number: Testifire TS3-XXX (XXX denotes product variant)

Distributor: SDi, 1345 Campus Parkway, Neptune, NJ 07753 6815

Tel (732) 751 9266; Fax (732) 751 9241

Emergency Contact: InfoTrac: Tel: 1-800-535-5053

2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Description: Mixture of solvents

Dangerous Components:			
CAS No.	Item		
57-55-6	Propane-1,2-diol	25-<50%	
25322-68-3	PEG-8	2.5-<10%	

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 Void

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms Void

Signal word Void

Hazard-determining components of labelling: Void

Hazard statements Void

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

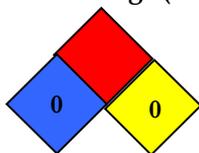
The product is not subject to identification regulations according to directives on hazardous materials.

Safety phrases:

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 1
Reactivity = 0

WHMIS - ratings (scale 0-4)

Health = 0	Health = 0
Fire = 1	Fire = 1
Reactivity = 0	Reactivity = 0

4 FIRST AID MEASURES

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Do not induce vomiting; immediately call for medical help.

5 FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Water haze

Fire extinguishing powder

Carbon dioxide

Use of fire fighting measures that suit the environment.

Alcohol resistant foam

Protective equipment: Mount respiratory protective device.

6 ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Not required.

Measures for environmental protection: (Applicable to bulk handling of base mixture)

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

Measures for cleaning/collecting:

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

Additional information: No dangerous substances are released.

7 HANDLING AND STORAGE

Handling:

Information for safe handling: No special measures required.

Information about fire -and explosion protection: No special measures required.

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: None.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with limit values that require monitoring at the workplace:

57-55-6 propane-1,2-diol

WEEL Long-term value: 474* 10** mg/m³, 150* ppm *total vapour and **particulates

25322-68-3 PEG-8

WEEL 10 mg/m³,

Additional information: The lists valid at this time of review were used as basis.

Personal protective equipment:

The use of PPE (personal protective equipment) is recommended when using this equipment at height. The nature and type of the PPE should be appropriate to the task and the environment.

General protective and hygienic measures: Not required under normal operation

Respiratory protection: Not required under normal operation

Protection of hands: Not required under normal operation

Eye protection: Not required under normal operation

Body protection: Not required under normal operation

9 PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance:

Form: Fluid

Color: Transparent

Odor: Weak, characteristic

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 212°F (100°C)

Flash point: 214°F (101°C)

Ignition temperature: 518°F (270°C)

Auto igniting: Product is not self igniting.

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

Explosion limits:

Lower: 0.9 Vol %

Upper: 12.6 Vol %

Vapor pressure at 68°F (20°C): 23 hPa (17 mm Hg)

Density at 68°F (20°C) : 1.05 g/cm³ (8.762 lbs/gal)

Solubility in / Miscibility with

Water: Fully miscible

Solvent content:

Organic solvents: 74.8 %

Water: 20.0 %

Solids content: 0.3 %

10 STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 ECOLOGICAL INFORMATION

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 DISPOSAL CONSIDERATIONS

Product:

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 TRANSPORT INFORMATION

DOT regulations:

Hazard class: -

Land transport ADR/RID (cross-border):

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

UN "Model Regulation": -

15 REGULATORY INFORMATION

Sara

Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65

Chemicals known 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)

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

15 REGULATORY INFORMATION (continued)

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.

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

National regulations:

Technical instructions (air):

Class	Share in %
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Wasser	10-<25
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NK	50-100
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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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Revision Status:

1. New Material Safety Data Sheet

12.05.2011