



## SAFETY DATA SHEET

### SECTION I – PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Chemical Name	Mixture
Trade Name	Sentry Shield
CAS No.	Mixture

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

Identified Use(s)	Soil and Stain Repellant
Uses Advised Against	Do not aerosolize

#### Details of the supplier of the safety data sheet

Company Identification	Tri-Plex Technical Services, Ltd. 655 Solutions Drive Freeburg, IL 62243 United States of America (618) 539-5843; M-F 8:00 AM-4:30 PM CST (618) 539-6245
Telephone	
Fax	
Emergency Telephone number	
Emergency Phone No.	Infotrac 24 hr: 1 (800) 535-5053; International +1 (352) 323-3500

### SECTION 2 –HAZARD IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Flam. Liq. 3; Skin Irrit 2; STOT SE 3; Asp. Tox. 1
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#### Label elements

Hazard Symbols



Signal Word(s)  
Hazard Statement(s)

**DANGER**

Flammable liquid and vapour  
Causes skin irritation  
May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways

Precautionary Statement(s)

Keep away from heat; hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools.

Keep container tightly closed.

Wear protective gloves/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Wash hands and exposed skin after use.

**Other hazards**

Toxic to aquatic life. Toxic to aquatic life with long lasting effects

**Additional Information**

None

### **SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS**

<b>Composition of Ingredients</b>	<b>%W/W</b>	<b>CAS No.</b>	<b>Hazard classification</b>
Isoparaffinic hydrocarbon	5 - 8	64742-48-9	Flam. Liq. 3; H226 Skin Irrt. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Perfluorinated polymer	8 - 12	Trade Secret	Not classified as dangerous for supply/use

**Additional information** – Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. - **None**

### **SECTION 4 – FIRST AID MEASURES**



**Description of First aid procedures:**

Inhalation	Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention
Skin Contact	Wash affected skin area with plenty of water. If irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before use.
Eye Contact	Rinse cautiously with water for several minutes. Remove any contact lenses. Continue rinsing. If eye irritation persists get medical advice/attention.
Ingestion	Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Get immediate medical attention.

**Most important symptoms and effects both acute and delayed:** Aspiration of liquid may cause pulmonary oedema. May cause drowsiness or dizziness.

**Indication of any immediate medical attention and special treatment needed** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### **SECTION 5– FIRE-FIGHTING MEASURES**

**Extinguishing Media**

- Suitable Extinguishing Media	In case of fire: Use CO2, dry chemical, or foam
- Unsuitable Extinguishing Media	Do not use water jet

<b>Special hazards arising from the substance or mixture</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms toxic fumes of hydrogen fluoride and carbonyl fluoride
<b>Advice for fire fighters</b>	Fire fighters should wear complete protective clothing Including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment And emergency procedures</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools. Use product in a well-ventilated area only. Wear protective gloves/eye protection/face protection. Avoid breathing vapours.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<b>Methods and material for containment and cleaning up</b>	Contain spillages with sand, earth, or any suitable absorbent material. Collect spillage. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## **SECTION 7 – HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools. Use product in a well-ventilated area only. Wear protective gloves/eye protection/face protection. Avoid breathing vapours.
<b>Conditions for safe storage, including any incompatibilities</b>	
- Storage temperature	Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store at temperatures not exceeding 50 degrees C / 122 degrees F
- Incompatible materials	Strong oxidizing agents and water
<b>Specific end use(s)</b>	Soil and Stain Repellant

## SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Control parameters

#### Occupational Exposure Limits

		LTEL	LTEL	STEL	STEL	
Substance	CAS No.	PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	Note:
Alkanes and cycloalkanes (C5-C8)	-----	-----	1500 mg/m <sup>3</sup>	-----	-----	-----
Alkanes and Cycloalkanes (C9-C15)	-----	-----	1200 mg/m <sup>3</sup>	-----	-----	-----

-LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

### Exposure Controls

#### Appropriate engineering controls

Not normally required

#### Personal Protection Equipment

The following to be used as necessary:

Eye/face protection

Safety glasses with side-shields



Skin protection (Hand/other)

Gloves (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data



Respiratory protection

Not normally required. In cases of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data



Thermal hazards

Not normally required

#### Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance

Liquid

Color

Clear to slightly hazy. Almost colorless to pale yellow

Odor

Characteristic

Odor Threshold (ppm)

Not available

pH (Value)

Not available

Melting Point/Freezing Point (C)

Not available

Boiling Point/boiling range (C)

~160

Flash Point (C)

40

Evaporation Rate

Not available

Flammability (solid, gas)

Not applicable

Explosive Limit Ranges

0.7% - 5.6% v/v (Isoparaffic hydrocarbon)

Vapour pressure (Pascal)

Not available

Vapour Density (Air = 1)	Not available
Density (g/ml)	0.84 (+/-0.04)
Solubility (Water)	Insoluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (C)	Not applicable
Decomposition Temperature	Not available
Kinematic Viscosity (cSt) @ 40C	1.21 (Isoparaffic hydrocarbon)
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

**Other Information** Not available

## **SECTION 10 – STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable under normal conditions
<b>Chemical Stability</b>	Stable
<b>Possibility of hazardous reactions</b>	None anticipated
<b>Conditions to avoid</b>	Avoid contact with heat and ignition sources
<b>Incompatible materials</b>	Strong oxidizing agents and water
<b>Hazardous decomposition product(s)</b>	At temperatures over 200 degrees C or under fire conditions, toxic

## **SECTION 11 - TOXOLOGICAL INFORMATION**

**Exposure routes:** Ingestion, Skin Contact, Eye Contact, Inhalation

### **Information on toxicological effects**

Isoparaffinic Hydrocarbon (CAS#64742-48-9) – By analogy with similar materials:

Acute toxicity	Oral: LD50>5000 mg/kg (rat) Dermal: LD50>2000 mg/kg (rabbit)
Irritation/Corrosivity	Causes skin irritation
Sensitization	It is not a skin sensitizer
Repeated dose toxicity	None anticipated
Mutagenicity	None anticipated
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man

<b>NTP</b>	<b>IARC</b>	<b>ACGIH</b>	<b>OSHA</b>
No	No	No	No
Developmental Toxicity	None anticipated		
Toxicity for reproduction	None anticipated		
Other Information	None known		

## **SECTION 12 ECOLOGICAL INFORMATION**

### **Substances in preparations/mixtures:**

Isoparaffinic Hydrocarbon (CAS#64742-48-9) – By analogy with similar materials

Acute toxicity	LC50 (96 hour) = 8.2 mg/l (Pimephales promelas) EL50 (48 hour) = 4.5 mg/l (Daphnia magna)
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Long Term Toxicity	NOELR (21 days)=2.6 mg/l (Daphnia magna)
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NOELR (72 hour)= 0.5 mg/L (Pseudokirchnerella subcapitata)

Persistence and degradability According to OECD criteria the substance is not readily biodegradable but inherently biodegradable

Bioaccumulative potential No data

Mobility in soil No data

Results of PBT and vPvB

Assessment Not classified as PBT or vPvB

Other adverse effects None known

## **SECTION 13 - DISPOSAL INFORMATION**

**Waste treatment methods** Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information** None known

## **SECTION 14 - TRANSPORT INFORMATION**

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	NA 1993	UN1268	UN1268
<b>Proper Shipping Name</b>	Combustible liquid, n.o.s (Contains: Petroleum Distillate)	Petroleum Distillate, n.o.s	Petroleum Distillate, n.o.s.
<b>Transport hazard class(es)</b>	Comb. Liq	3	3
<b>Packing group</b>	III	III	III
<b>Hazard label(s)</b>	Combustible Liquid	Flammable Liquid	Flammable Liquid
<b>Environmental hazards</b>	No	No	No
<b>Special Precautions for user</b>	None Assigned	None Assigned	None Assigned

**Transport in bulk according to AnnexII of MARPOL73/78 and IBC Code:** Not applicable

\*Reclassified as a "combustible liquid" according to 49 CFR 173.120 (b)(2). Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons).

## **SECTION 15 - REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act)** – Inventory status: All components listed or polymer exempt.  
Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4)

Chemical Name	CAS NO	Typical % wt	RQ (Pounds)
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**SARA 311/312 – Hazardous Categories:** None

☒ Fire    ☐ Sudden Release    ☐ Reactivity    ☒ Immediate    ☐ Chronic

**SARA 313 – Toxic Chemicals (40CFR 372)**

Chemical Name	CAS #	Typical % wt.
None	-----	-----

SARA 302 – Extremely Hazardous Substances (40 CFR 355)

Chemical Name	CAS No.	Typical % wt	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California)

Chemical Name	CAS No.	Typical % wt.	Hazards
None	-----	-----	-----

## **SECTION 16 - OTHER INFORMATION**

The following section contains revisions or new statements: 14

**Date of Revision:** June 3, 2015

**Date of Preparation:** November 20, 2015

### **Hazard Statement(s) Listed in: SECTION 3**

H226: Flammable liquid and vapor

H315: Causes skin irritation

H304: May be fatal if swallowed and enters airways

H336: May cause drowsiness or dizziness

H401: Toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects

### **Training Advice:** None

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. To the best of our knowledge information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.