



SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Chemical Name	Mixture
Trade Name	Sentry Shield CA-1 RTU
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. 4; Asp. Tox. 1
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Label elements

Hazard Symbols



DANGER

Signal Word(s)

Hazard Statement(s)

Precautionary Statement(s)

Combustible liquid
May be fatal if swallowed and enters airways
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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Additional Information

None

SECTION 3 –COMPOSITION/ INFORMATION ON INGREDIENTS

Composition of Ingredients	%W/W	CAS No.	Hazard classification
C12-C14 Isoalkanes	> 90%	68551-19-9	Flam. Liq. 4; H227 Asp. Tox. 1; H304
Perfluorinated polymer	< 10%	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 edema. 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

Special hazards arising from the substance or mixture Combustion or thermal decomposition will evolve toxic and irritant vapours.

Forms toxic fumes of hydrogen fluoride and carbonyl fluoride

Advice for fire fighters

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

**Personal precautions, protective equipment
And emergency procedures**

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.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

**Methods and material for containment
and cleaning up**

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.

**Reference to other sections
Additional Information**

None
None

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Avoid formation of aerosol. 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.

Conditions for safe storage, including any incompatibilities

- 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 May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Specific end use(s)

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:
C12-C14 Isoalkanes	68551-19-9	-----	1200 mg/m ³	-----	-----	-----

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

Exposure Controls

Appropriate engineering controls

Adequate ventilation to control airborne concentration below the exposure guidelines/limits

Personal Protection Equipment

Eye/face protection



The following to be used as necessary:
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

Wear a supplied-air NIOSH approved respirator unless ventilation or other engineered controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. 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

Mild, Hydrocarbon

Odor Threshold (ppm)

Not available

pH (Value)

Not available

Melting Point/Freezing Point (C)

Not available

Boiling Point/boiling range (C)

~217 – 246 (442.6 – 474.8 F)

Flash Point (C)

>79.4 (>174.9F)

Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapour pressure (Pascal)	Not available
Vapour Density (Air = 1)	Not available
Density (g/ml)	0.86
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	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

Other Information Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions
Chemical Stability	Stable
Possibility of hazardous reactions	None anticipated
Conditions to avoid	Avoid contact with heat and ignition sources
Incompatible materials	May react with oxygen and strong oxidizing agents such as chloriates, nitrates, peroxides, etc.
Hazardous decomposition product(s)	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

C12-C14 Isoalkanes (CAS# 68551-19-9):

Acute toxicity	Oral: LD50>5000 mg/kg (rat) Dermal: LD50>2000 mg/kg (rabbit)
Irritation/Corrosivity	Not a skin irritant
Sensitization	It is not a skin sensitizer
Inhalation	Inhalation LC50>5.3mg/L exp time 4 h (rat)
Repeated dose toxicity	Not available
Mutagenicity	None anticipated
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man

NTP	IARC	ACGIH	OSHA
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:

C12-C14 Isoalkanes (CAS# 68551-19-9)

Acute toxicity	LC50 (96 hour) = 1,000 mg/l (Rainbow Trout) EL50 (48 hour) = 1,000 mg/l (Daphnia magna)
Long Term Toxicity	NOELR (28 days)=0.316 mg/l (Rainbow Trout)
Persistence and degradability	Expected to be 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

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	Not regulated for transport	Not regulated for transport	Not regulated for transport
Proper Shipping Name	-----	-----	-----
Transport hazard class(es)	-----	-----	-----
Packing group	-----	-----	-----
Hazard label(s)	-----	-----	-----
Environmental hazards	-----	-----	-----
Special Precautions for user	-----	-----	-----

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

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.
TSCA 12b – Perfluorinated polymer subject to export reporting.
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 Preparation: November 30, 2017

Hazard Statement(s) Listed in: SECTION 3

H227: Flammable liquid and vapor

H304: May be fatal if swallowed and enters airways

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.