New S.P.I.F.® II

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 05/22/2018 Revision date: 12/20/2022 Printed: 06/01/2018 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : New S.P.I.F.® II

Product code : 1090R, 1092R, 1094R

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Spot cleaning fluid for fabrics.

Use advised against : None identified

1.3. Details of the supplier of the safety data sheet

Albatross USA Inc.
36-41 36th Street
Long Island City, NY 11106

Tel: 718-392-6272

1.4. Emergency Telephone #:

Spill, leak, fire, exposure or accident – Call CHEMTREC – Day or Night
1-800-424-9300 or 1-703-527-3887 (USA & Canada)
01-800-681-9531 (Mexico) Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Flammable Liquid, Category 4
Eye Damage/Irritation, Category 2A
Acute Toxicity- Inhalation, Category 4
Specific Target Organ Toxicity (Single Toxicity), Category 3

2.2. Label elements

Labelling

Hazard pictograms :

Signal word : Warning

Hazard statements : Combustible liquid
Causes serious eye irritation
Harmfiul if inhaled
May cause drowsiness or dizziness

Precautionary statements : Keep away from flames and hot surfaces. – No smoking.
Avoid breathing dust/fume/gas/mist/ vapors/spray.
Use only outdoors or in a well- ventilated area.
Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: get medical advice/attention
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor/.../if you feel unwell.
In case of fire: Use water spray, alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder to extinguish.
Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards which do not result in classification : Exposure to the concentration higher than TLV may cause critical effects such as CNS impairment.

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%
Ethene, 1,2-dichloro-, (1E)-	(CAS No) 156-60-5	< 95
Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)-	(CAS No) 406-78-0	< 3
2-Propanol, 1-methoxy-, 2-acetate	(CAS No) 108-65-6	< 3

The specific chemical\ component identities and/or the exact component percentages of this material may be withheld as trade secrets.
This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1).
Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures, general : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.

First-aid measures after skin contact : Wash skin with plenty of water. Seek medical advice if irritation persists.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after eye contact : Exposure to high concentration of vapors or direct contact with eyes causes serious eye irritation. Symptoms include stinging, watering, redness, and swelling.

Symptoms/injuries after inhalation : Inhaling a high concentration of vapor may cause central nervous system impairments.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder to extinguish.

Unsuitable extinguishing media : Avoid using stream water on burning liquid as it may scatter the flame.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid

Explosion hazard : In the event of fire or heat exposure, a pressure increase will occur that can result in container burst.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Remove ignition sources. Use special care on handling. Avoid source of ignition and heat. No open flames. No smoking. Danger of slipping by leaking/spilling product. Avoid contact with eyes. Avoid breathing mist, spray and vapors.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel. Depending on the condition, adequate ventilation might be required. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in confined and low areas.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Store away from other materials. Ensure all national/local regulations are observed.

6.4. Reference to other sections

Refer to section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors may be flammable.

Precautions for safe handling : Read label before use. Obtain special instructions before use. Obtain special instructions before use. No smoking, open flames or sources of ignition in handling and storage area. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Containes even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar opertaions on or near empty containes.

Storage conditions : Keep only in the original container in a cool well-ventilated place. Keep container closed when not in use. Keep away from incompatible materials. Keep away from sources of ignition, heat and open flames.

Incompatible materials : Oxidizing agents. Strong acids. Bases.

Incompatible condition : Avoid sources of ignition, heat and open flames.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

trans- Dichloroethylene (156-60-5)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	Remark	Central Nervous System impairment Eye irritation

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Eyewash fountains are suggested near any potential exposure. Use process enclosure, local exhaust ventilation or other engineering controls to keep workers exposure to the airborne contaminant below ant recommended limits.
Personal protective equipment	: Handle in accordance with good industrial hygiene and safety practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.
Hand protection	: In case of repeated or prolonged contact wear gloves.
Eye protection	: Wear goggles if splashing or spraying is anticipated.
Skin and body protection	: In case of repeated or prolonged exposure : Personal protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear
Color	: Colorless
Odor	: Pleasant
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 104 ºF (40 ºC)
Flash point	: > 140 ºF (60 ºC)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 35 – 45 kPa (at 25 ºC)
Relative vapor density at 20 °C	: No data available
Relative density	: 1.30 – 1.40 (water=1)
Solubility	: ca 6 g/l (at ambient temperature)
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage condition

10.3. Possibility of hazardous reactions

Under normal condition of use and storage, hazardous polymerization will not occur.

Contact with caustic soda, caustic potash or oxidizing materials may form shock-sensitive compounds.

10.4. Conditions to avoid

Exposure to high temperature may produce hazardous decomposition material.

10.5. Incompatible materials

Oxidizing agents. Strong acids. Bases.

10.6. Hazardous decomposition products

Thermal decomposition products: Carbon oxides, Hydrogen chloride, and phosgene gases

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmfiul if inhaled

trans- Dichloroethylene (156-60-5)	
LD50 oral rat	1,235 mg/kg
LD50 oral mouse	2,122 mg/kg
Remark	Behavioral: Altered sleep time (including a change in righting reflex). Behavioral: Somnolence (general depressed activity).
LD50 derman rabbit	> 5,000 mg/kg
LC50 inhalation rat (ppm)	24,170 ppm/4h
Remark	Behavioral: Somnolence (general depressed activity)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified
(Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified
(Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness

Specific target organ toxicity (repeated exposure) : Not classified
(Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified
(Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects but does not meet criteria of marine pollutant

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations.

Waste treatment methods : Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Non-bulk containers only:
Not DOT regulated for domestic transportation in containers with the capacity less than 119 gallons (450 liters)

ADR
Not regulated

Transport by sea (IMDG)
Not regulated

Air transport (IATA/ ICAO)
Not regulated
Albatross does not recommend shipping any chemical products by air.

Bulk only-

Transport document description : NA1993 Combustible liquids, n.o.s. (Contain trans- Dichloroethylene), 3, III

UN-No.(DOT) : NA1993

Proper Shipping Name (DOT) : Combustible liquids, n.o.s.
(Contain trans- Dichloroethylene)

Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : none

DOT Symbols : G - Identifies PSN requiring a technical name
D - Identifies PSN appropriate for describing materials for domestic transportation but may be inappropriate for international transportation

Packing group (DOT) : III - Minor Danger

DOT Special Provisions (49 CFR 172.102) : 148 - For domestic transportation, this entry directs to §173.66 for:

a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV); and
b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e., a multipurpose bulk truck (MBT)).
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 – 1.5 178.274(d)(2) Normal .....178.275(d)(2)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L

DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

trans- Dichloroethylene (156-60-5)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - NOTE: This product has NOT evaluated against the latest requirements of the California Proposition 65 to meet the safe harbor warning requirements introduced by The office of Environmental Health Hazards Assessment (OEHHA), during its OSHA hazards classification evaluation.

trans- Dichloroethylene (156-60-5)

Massachusetts RTK
New Jersey Worker and Community RTK
Pennsylvania Worker and Community RTK

SECTION 16: Other information

Indication of changes	: Not applicable
Revision date	: 12/20/2022

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product