StayZ SPRAY INTERFACE - SAFETY DATA SHEET

1 IDENTIFICATION

Name: StayZ SPRAY INTERFACE
Product Code: SIFSA
Compliant with REACH regulations
Use of the preparation: Adhesive
Manufacturer, importer, other undertaking contact information:

Zyvax	Zyvax	Zyvax
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2 HAZARDS IDENTIFICATION

Health Hazards: Vapours may cause drowsiness and dizziness. Slightly irritating to respiratory system. Repeated exposure may cause skin dryness or cracking. Irritating to eyes. Signs and Symptoms: Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing. Safety Hazards: Flammable liquid and gas.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS / EINECS	Conc.	Symbols & R-phrases
Dimethyl ether	115-10-6 / 204-065-8	15-30%	F+ R12
Propanone	67-64-1 / 200-662-2	10-30%	F Xi R11 R36 R66 R67

4 FIRST AID MEASURES

Inhalation: move away from source of exposure and into fresh air.
Skin contact: Remove contaminated clothing and immediately washing affected areas with soap and water. Eye contact: Flush eye(s) gently with clean, warm water for at least 15 minutes while holding eyelids apart. Ingestion: Ingestion is highly unlikely, however, If swallowed seek medical attention. Do not induce vomiting or give anything by mouth as this material can enter lungs and cause severe lung damage. If any symptoms persist, seek medical attention. Advice to physician: Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Flash Point (TCC): -104°C NFPA704: Health – 1, Flammability – 4, Reactivity – 1.
Use dry chemical, carbon dioxide (CO_2), alcohol–resistant foam, water spray or fog. Do not use water jet or stream. Special exposure: Vapors are heavier than air and may travel across the ground and reach sources of ignition causing a flashback fire. Exploding aerosol cans can spread a fire.
Hazardous combustion products: carbon dioxide, carbon monoxide, various hydrocarbons.

6 ACCIDENTAL RELEASE MEASURES

Observe all relevant local and international regulations. Avoid contact with spilled or released material.
Protective measures: Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all possible sources of ignition in the surrounding area.
Clean Up Methods: The chances of a large spill or leak is unlikely with aerosol containers. If container is punctured, allow vapor to escape, contain liquid, handle as flammable hazardous waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely.
Additional Advice: Vapour may form an explosive mixture with air. Local authorities should be advised if significant spillages cannot be contained.

7 HANDLING AND STORAGE

Handling: Avoid breathing vapors or skin contact with the material. Only use in well ventilated areas. Use the information from this MSDS for a risk assessment of local conditions to determine controls for safe handling and storage. Empty cans may contain explosive vapors. Follow all local and national handling regulations.
Storage: Store containers closed, in a cool, dry and well ventilated place away from sunlight, sources of ignition, other aerosols and oxidizing agents. Isolate containers from open flame (e.g., pilot lights) or other sources of ignition. Follow all local and national storage regulations.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values: work-place exposure limits (control parameters):
US/Canada

Ingredient	Source	Type	ppm	mg/m3
Propanone	ACGIH	TWA	500ppm	No data
	ACGIH	STEL	750ppm	No data
	OSHA Z1	PEL	1000ppm	2400 mg/m3
Dimethyl ether propellant	EL (Linde)	TWA	1000 ppm	No data

UK

Ingredient	Source	Type	ppm	mg/m3
Propanone	EH40 WEL	TWA	500 ppm	1210 mg/m3
	EH40 WEL	STEL	1500 ppm	3620 mg/m3
Dimethyl ether propellant	OEL (UK)	LTEL	400ppm	No data
	OEL (UK)	STEL	500ppm	No data

Australia

Ingredient	Source	Type	ppm	mg/m3
Propanone	AU OEL	TWA	500 ppm	1185 mg/m3
	AU OEL	STEL	1000 ppm	2375 mg/m3
Dimethyl ether propellant	No Australian values available see UK or US above			

Personal Protective Equipment: Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter.
Hand Protection: Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from the following materials may provide suitable chemical protection: Nitrile rubber. PVC. Viton. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Eye Protection: Chemical splash goggles (chemical monogoggles).
Monitoring Methods: Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

9 PHYSICAL AND CHEMICAL PROPERTIES

General information: Aerosol liquid with mild, slightly sweet odor.
Liquid density: 1.06 kg/dm^3 @ 24ºC
Vapor Density (air = 1): >1
Evaporation rate (n-BuOAc = 1): 14.4
Boiling point: propellant: -42.5ºC
Flash Point (TCC): propellant -104ºC
Auto-ignition temperature of propellant: 450ºC
Vapor pressure: 482.7kPa@20ºC
Water solubility: approximately 40%

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions of use and storage. Possibility of Hazardous reactions: Hazardous reactions will not occur. Conditions and materials to avoid: Temperatures above 52ºC. All sources of ignition. Oxidizers, acids, carbon monoxide and halogens. Hazardous decomposition products: None are known nor reasonably expected under normal conditions of use, storage or heating.

11 TOXICOLOGICAL INFORMATION

Low acute toxicity by all routes of exposure.
Routes of exposure: inhalation (breathing), eye contact, skin contact
Skin corrosion / irritation: Low toxicity. Not a skin sensitizer. Prolonged or repeated contact may cause defatting of the skin which can lead to dermatitis.
Serious eye damage / irritation: Low toxicity. Moderately irritating to eyes. Prolonged overexposure to this product irritates eyes and mucous membranes.
Respiratory or skin sensitization: Not a sensitizer
Carcinogenicity: Not expected to be cause cancer.
Reproductive toxicity: Not expected to impair fertility.
Inhalation: Vapours may cause drowsiness, dizziness. Slightly irritating to respiratory system.
Pre-existing medical conditions of the following organ systems may be aggravated by exposure to this material: skin, reproductive system, central nervous system.
Numerical Measures of toxicity:
Propanone: Inhalation: LD50 > 50 mg/l 1 hour, Rat; Ingestion: LD50 > 2000 mg/kg, Rat; Skin: LD50 > 2000 mg/kg, Rabbit
Dimethyl ether: Inhalation: LC50 308 mg/m^3, Rat

12 ECOLOGICAL INFORMATION

No adverse ecological effects have been recorded for the propellant.
Liquid: Ecotoxicity: Not expected to be damaging to the environment.
Biodegradation: Readily biodegradable.
Chemical degradation: Oxidizes rapidly by photo-chemical reactions in air
Bio-accumulative potential: Is not expected to bio-accumulate significantly
Other adverse effects: This product does not contain any Class I or Class II ozone-depleting chemicals.

13 DISPOSAL CONSIDERATIONS

Disposal Methods: All disposal methods must be in compliance with local and federal regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The information presented here pertains only to the product as shipped in its intended condition as described in this Section 3 of this SDS. For unused and uncontaminated product, the preferred option is sending to a licensed, permitted aerosol disposal facility.
Container Disposal: Invert, spray out container thoroughly, until propellant is gone. Residues may cause an explosion hazard. Do not puncture containers. Send to metal recycler.
The container when disposed in the US, is a D001 (ignitable), F003 (spent solvents) hazardous waste. Follow local, regional and federal hazardous waste regulations. Check with your hazardous waste management vendor. Do not incinerate cans.

14 TRANSPORT INFORMATION

This product may be shipped as a "Consumer Commodity ORM-D" in North America
Class: 2
ADR Classification Code: 5F
UN ID Number: UN1950
Danger label (primary risk): 2.1
Proper Shipping Name: AEROSOLS, flammable
IMDG Marine Pollutant: No
IATA: Country variations may apply.

15 REGULATORY INFORMATION

SARA Hazard Categories (311/312) – acute health; fire hazard, pressure; SARA313 – none; Hazardous Air Pollutants – none; California Proposition 65: none. Classified as a Level 3 aerosol in the US. Canada: WHMIS – AB1; D2B This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*. United Kingdom: The COSHH Regulations apply in the UK. The storage and use of this product is subject to the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations. Australia: Propanone is on the National Pollutant Inventory and the Commonwealth list of air toxics. Classified as a "flammable aerosol" as per 2008/47/EC.
R12 Extremely flammable liquid and gas
R36 Irritating to eyes
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
S3/9/14: Keep in a cool, well-ventilated place away from oxidizers and flammable liquids.
S16 Keep away from sources of ignition - No smoking.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33 Take precautionary measures against static discharges
S51 Use only in well-ventilated areas

16 ADDITIONAL INFORMATION

Version: 1.1 Effective date: 1 July 2009 HMIS: Health 1, Flammability 3, Physical hazard: 0.
Use the information in this MSDS, knowledge of site conditions and personnel as a part of a thorough hazard communication program as per national regulations. Disclaimer of expressed and implied warranties. The information in this document is believed to be correct as of the date of issuance. However, no warranty of merchantability, fitness for any particular purpose. or any other warranty is expressed, or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose, and on the condition that he assumes the risk of his use thereof.