



MATERIAL SAFETY DATA SHEET

LAB SAMPLE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CUSTOMER **NANOPROTECH**
PRODUCT NAME (S) **NANOPROTECH ANTICORROSION**
SAMPLE NUMBER **ES-10818-OS**
MANUFACTURER **APOLLO TECHNOLOGIES**
1850 S. Cobb Industrial Boulevard
Smyrna, Georgia 30082
(770)433-0210 (8am-5pm;M-F)
PREPARATION DATE August 5, 2014
PREPARED BY Vena Burnell
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2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA HAZARDOUS INGREDIENTS TABLE

<u>CHEMICAL</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
Naphtha(petroleum), hydrotreated light	64742-49-0	None	None	
Solvent naphtha(petroleum), heavy arom.	64742-94-5	None	None	
Liquefied Petroleum Gas	68476-86-8	Unknown	1000 ppm	

*Indicates ingredients that are subject to the reporting requirements of Section 313 of EPCRA and 40 CFR 372. Component of a blended material regulated under section 313 of SARA

3. HAZARDS IDENTIFICATION

HMIS: Health 1 Flamm. 4 React. 0 **NFPA:** Tox. 1 Flamm. 4 React. 0

HEALTH EFFECTS

Inhalation Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

Eye Contact No known significant effects or critical hazards.

Skin Contact De-fatting to the skin. May cause skin dryness and irritation.

Ingestion Can cause central nervous system(CNS) depression.

PRIMARY ROUTES OF EXPOSURE: Inhalation, eye/skin contact.

CONDITIONS AGGRAVATED BY EXPOSURE: None known.

ANY INGRED. LISTED CARCINOGEN: **OSHA** Not listed. **IARC** Not listed. **NTP** Not listed.

4. FIRST AID

Inhalation Move from exposure to fresh air. Contact a physician if irritation develops and persists.

Eye Contact Remove contact lenses if present and easy to do. Wash thoroughly for 15 minutes with plenty of water. Get medical attention if irritation develops and persist.

Skin Contact Remove contaminated clothing. Wash thoroughly with plenty of soap and water. If irritation develops and persists, contact a physician.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Contact a physician if

ill effects develop and persist.

5. FIRE FIGHTING MEASURES

Extinguisher Media

Foam, Dry Chemical (B-C), CO₂

Flammability

EXTREMELY FLAMMABLE

Flame Projection Data

EXTENSION: 22" FLASH BACK: 3"

SPECIAL FIRE FIGHTING PROCEDURES: Do not breathe fumes. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. Keep personnel upwind of fire.

UNUSUAL HAZARDS: Contents under pressure. Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.

6. ACCIDENTAL RELEASE MEASURES

PROCEDURES FOR CLEANING UP LEAKS AND SPILLS: Do not allow product to enter sewer or waterways. Prevent further leakage or spillage if safe to do so. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. This product is insoluble in water and will float on surface. Remove all sources of ignition. Ventilate area. Wear suitable protective clothing, gloves and eye/face protection. Keep upwind of the spilled material and isolate exposure. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Dispose of spill material in accordance with local, state or federal regulations.

7. HANDLING, STORAGE, AND DISPOSAL

HANDLING: DANGER! EXTREMELY FLAMMABLE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

STORAGE: Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with **NFPA 30B** for **Level 3 Aerosols**.

DISPOSAL: Before offering for recycling, empty the container by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

See Section 2 for applicable exposure limits.

ENGINEERING CONTROLS: Maintain adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT: Use respirator only as a last resort to control exposure.

Wear **CHEMICAL RESISTANT GLOVES** if repeated skin contact occurs or causes irritation.

Wear **SAFETY GLASSES** or **GOGGLES** to prevent eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Mixture packaged in pressurized aerosol spray can.

Appearance and Odor (Concentrate)

Brown, opaque liquid with a bland odor

Specific Gravity (Concentrate)

0.835 – 0.845g/ml

pH

N/A

Evaporation Rate (BuAc=1)

Not Determined

Boiling Point

Not Determined

Solubility in Water

Insoluble

%-VOC CONTENT

24.0% MIN

10. STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: Heat, sparks, open flames, ignition sources, temperatures above 120°F

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Avoid contact with strong oxidizing agents, strong acids, strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, SO, toxic gases

11. REGULATORY AND TRANSPORTATION INFORMATION

Proposition 65 – California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

DOT Shipping Name: Aerosols, Limited Quantity

Hazard Class: Class 2.1

UN/ID Number: UN 1950

12. OTHER INFORMATION

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.