



SUPER VALVE FLUSH

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Product Name: SUPER VALVE FLUSH

Product Code: I -350

Product Use: Valve flush, solvent

Manufacturer: ENCORE INDUSTRIAL PRODUCTS, LLC

3502 BACOR RD. HOUSTON, TX 77084

281-944-4777

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquid (Category 4)

Carcinogenicity (Category 2)

Specific target organ toxicity-central nervous system (Category 3)

Aspiration hazard (Category 1)

GHS label elements

Symbol(s)



Signal Word

Danger

Hazard statements

H227 – Combustible liquid

H304 – May be fatal if swallowed and enters airways

H336 – May cause drowsiness or dizziness

H351 – Suspected of causing cancer

Precautionary statements

P202 – Do not handle until all safety precautions have been read and understood.

P210 – Keep away from heat/sparks/open flames/hot surfaces. –No smoking.

P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER /doctor.
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
P331 – Do NOT induce vomiting.
P405 – Store locked up.

Other hazards which do not result in classification

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration
Solvent naphtha (petroleum), heavy aromatic*	64742-94-5	100%
Naphthalene	91-20-3	< 9.9%
1,2,4-Trimethylbenzene	95-63-6	< 1.7%

*This material is defined as a complex substance.

4. FIRST AID MEASURES

General: If exposed or concerned, get medical attention or advice and show this safety data sheet to doctor in attendance.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention if redness or irritation persists.

Skin contact: Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms occur.

Inhalation: Move exposed person to fresh air. If breathing is irregular or stopped, give artificial respiration. Get immediate medical attention if respiratory irritation, dizziness, nausea or unconsciousness occurs.

Ingestion: Do not induce vomiting. Get immediate medical attention.

Special treatment:

Notes to physician: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.

5. FIRE-FIGHTING MEASURES

Suitable media: Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable: Do not use water jet.

Combustion products: Carbon monoxide, carbon dioxide, unburned hydrocarbons (smoke).

Special protective equipment Fire-fighters should wear appropriate protective equipment and self-
for fire-fighters: contained breathing apparatus with a full face-piece operated in positive pressure mode.

Unusual fire hazards: Vapors are heavier than air and may travel distances to remote ignition sources.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection equipment (see section 8). Remove all sources of ignition. Avoid breathing vapors. Ensure adequate ventilation. Vapors can accumulate in low areas.

Environmental precautions: Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

Methods and material for containment and cleaning up: Remove all ignition sources. Recover free product. Use suitable oil adsorbent and, using clean non-sparking tools, dispose of material in closed containers in accordance with all regulations.

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protection equipment (see section 8). Keep away from sources of ignition. Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.

Storage: Store tightly closed in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or flame. No smoking. Store below 40°C, away from strong oxidizers and acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Chemical name	CAS no.	USA WEELs
Naphthalene	91-20-3	10 ppm TWA (OSHA) 10 ppm TLV (ACGIH)
1,2,4-Trimethylbenzene	95-63-6	25 ppm TLV (ACGIH)
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	100 ppm (OSHA)

Engineering controls:	Use with adequate ventilation. Consider explosion-proof ventilation equipment.
Eye/face protection:	Safety glasses as a minimum. Conditions may warrant use of splash-proof goggles or face shield. Ensure eye bath is to hand.
Hand protection:	Solvent resistant (i.e. nitrile) gloves.
Skin protection:	Chemical resistant attire. Type should be selected based on amount of dangerous substance present in the workplace and risk of splash.
Respiratory protection:	If concentrations exceed exposure limits, use full-face respirator with NIOSH-approved multi-purpose combination cartridges. If respirator is sole means of protection, use full-face supplied air respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Colorless liquid, aromatic odor
pH:	No data available
Flash point:	66°C (151°F) – ASTM D56
Evaporation rate:	No data available
Upper flammability limit:	5.9%
Lower flammability limit:	0.8%
Autoignition temperature:	445°C (833°F)
Boiling point / range:	179°C (354°F) – 203°C (397°F)
Vapor pressure:	0.075 kPa (0.56 mmHg) at 20°C
Vapor density (air = 1):	4.7 at 101 kPa
Relative density:	0.9
Density:	7.47 lb/gal at 15.6°C
Solubility:	Insoluble in water
Viscosity:	1.13 cSt at 40°C
VOC content:	7.47 lb/gal (100%)

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Conditions to avoid:	Extreme heat, open flames, welding arcs
Incompatible materials:	Strong oxidizers, acids, alkalis
Hazardous decomposition products:	Does not decompose at ambient temperatures
Hazardous reactions:	Hazardous polymerization will not occur

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute toxicity:	LD50 Dermal – rat - >2000 mg/kg LC50 Inhalation – rat – > 4688 mg/m ³ – 4h LD50 Oral – rat - >5000 mg/kg
Eye irritation:	May cause temporary redness, mild discomfort and blurred vision.
Skin irritation/corrosivity:	May cause dry skin due to removal of oils from skin.

Potential chronic health effects

Sensitization:	Not expected to be a skin or respiratory sensitizer.
Aspiration:	May be fatal if swallowed and enters airways, based on physico-chemical properties of material.
Germ cell mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Caused cancer in animals with uncertain relevance to humans.
Reproductive toxicity:	Not expected to cause reproductive effects.
STOT – single dose:	May cause drowsiness or dizziness.
STOT – repeated dose:	Not expected to cause organ damage from repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Persistence/degradability:	Inherently biodegradable.
Bioaccumulation:	No data available.
Mobility:	No data available.
Results of PBT assessment:	No data available.
Other adverse effects:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Dispose of as hazardous waste via licensed waste disposal operator. Follow all applicable regulations.

14. TRANSPORT INFORMATION

Transport information:

US DOT: Not regulated for land transport.

IMDG: UN number: 3082

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (naphthalene)

Class: 9 Packing group: III

Marine pollutant: Yes

EMS Code: F-A, S-F

IATA: UN number: 3082

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (naphthalene)

Class: 9 Packing group: III

15. REGULATORY INFORMATION

US Regulations

No ingredient in this product is subject to the reporting requirements of SARA Section 302 (40 CFR 355 Appendix A) or CERCLA (40 CFR 302.4)

SARA 313 Components: Naphthalene, CAS-No. 91-20-3; 1,2,4-Trimethylbenzene, CAS-No. 95-63-6

State Regulations

California Prop 65: Naphthalene, CAS-No. 91-20-3 (carcinogen)

New Jersey Right to Know: Naphthalene, CAS-No. 91-20-3; 1,2,4-Trimethylbenzene, CAS-No. 95-63-6; Solvent naphtha (petroleum), heavy aromatic, CAS-No. 64742-94-5

Pennsylvania RTK Hazardous Substances: Naphthalene, CAS-No. 91-20-3; 1,2,4-Trimethylbenzene, CAS-No. 95-63-6; Solvent naphtha (petroleum), heavy aromatic, CAS-No. 64742-94-5

Rhode Island Right to Know: Naphthalene, CAS-No. 91-20-3; 1,2,4-Trimethylbenzene, CAS-No. 95-63-6; Solvent naphtha (petroleum), heavy aromatic, CAS-No. 64742-94-5

United States inventory (TSCA): All ingredients listed or exempt.

International regulations

Canada: WHMIS Classification: B3 – Combustible liquid. D2A – Carcinogen. **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. **Canada Domestic Substances List:** All ingredients listed or exempt.

Australia inventory (AICS): All ingredients listed or exempt.

China inventory (IECSC): All ingredients listed or exempt.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

Philippines inventory (PICCS): All ingredients listed or exempt.

Japan inventory (ENCS): All ingredients listed or exempt.

Korea inventory (KECI): All ingredients listed or exempt.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

HEALTH	1*
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	B

National Fire Protection Association (USA):



Revision information: Original GHS issue 3 Dec 2015. Rev 1: reviewed with no changes.

END OF SAFETY DATA SHEET