

SAFE-FLUSH® SDS (MSDS)

Latest Revision: July 2015

SECTION 1

Product Trade name:
Recommended use:
Company Name:
Address:
Phone/Fax:
Emergency:

PRODUCT AND COMPANY IDENTIFICATION

SAFE-FLUSH®
Cleaning and Degreasing Compound
HECAT, Inc.
2910 Ridge Ct. Cumming, GA 30041
770-205-5600 / 770-205-5633
800-380-9501

SECTION 2

Appearance:
Odor:
Hazards Symbol(s):
Signal Word:
GHS Classification(s):
Hazard Statement:
Precautionary statement:

HAZARDS IDENTIFICATION

Clear liquid
Petroleum spirit and citrus odor
Exclamation Mark, Health Hazard
DANGER
Aspiration-1, Skin-3, Eye-2A, Toxicity-5, Aquatic-2 (GHS Scale: 1=severe, 4=slight).
May cause eye, skin, and respiratory irritation and/or harm. May be toxic to Aquatic life.
Keep away from children. Wash after handling. Use personal protective equipment as required.



SECTION 3

Component A (primary):
Component B (secondary):

COMPOSITION / INFORMATION ON INGREDIENTS

Distillates (petroleum), hydrotreated light (CAS No. 64742-47-8)
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R) (CAS No. 5989-27-5)
Exact percentages of ingredients have been withheld as confidential.

SECTION 4

Eyes:
Skin:
Inhalation:
Ingestion:
Treatment-External:
Treatment-Internal:

FIRST AID MEASURES

Flush with clean lukewarm water. Seek physician's assessment if eyes are inflamed.
Wash affected areas thoroughly with soap and water. Wash contaminated clothing.
Avoid breathing mists. Remove to fresh air. If breathing is difficult, get medical attention.
Do not induce vomiting without medical advice.
Control symptoms and clinical conditions.
Force fluids; product has a laxative effect.

SECTION 5

Suitable extinguishing media:
Fire fighting procedures:
Protective equipment:
Decomposition products:

FIRE FIGHTING MEASURES

Dry chemical, carbon dioxide, or foam. Do not use water jet spray.
Contain liquid, cover with extinguishing agent; use water mist to cool fire-exposed containers.
Wear self contained breathing apparatus and protective suit.
Carbon monoxide, carbon dioxide, and other undefined fragments will evolve in a fire.

SECTION 6

Personal precautions:
Spill or leak clean up:
Environmental precautions:
Waste Disposal:

ACCIDENTAL RELEASE MEASURES

Use personal protective equipment, remove ignition sources, and ventilate area.
Contain spill, absorb with commercial absorbents, or by using pumps.
Do not flush into surface water or sanitary sewer system.
Dispose in approved containers through a licensed waste oil handler.

SECTION 7

Precautions:
Protection:
Storage temp:
Shelf life:

HANDLING AND STORAGE

Do not swallow. Avoid prolonged contact with skin, eyes, clothes, and breathing mist.
Keep product away from heat and sources of ignition.
Less than 120 F recommended; store in a dry, cool, and ventilated space.
12 months in original closed HDPE container.

SECTION 8

Eye protection:
Skin protection:
Respiratory protection:
Engineering measures:
Hygiene measures:
Exposure limits:

EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical safety glasses, goggles, or face shield should be used if splashing is likely.
PVC or Nitrile gloves, apron, protective, suit, and boots, if splashing is likely.
Do not breathe vapors or mist, wear approved organic respirator as needed.
Use mechanical exhaust ventilation. Keep away from heat and sources of ignition.
Handle in accordance with good industrial hygiene and safety practice.
8 hour TWA: skin absorption 200 mg/m³, vapor 30ppm.

SECTION 9

Appearance:
Odor:
Odor threshold:
pH:
Melting/freezing point:
Boiling point:
Flash point:
Evaporation rate:
Specific gravity:
Flammable limits:
Vapor pressure:
Vapor density:
Relative density:
Solubility:
Partition coefficient:
Auto ignition temp:
Decomposition temperature:
Viscosity:

PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid
Mild petroleum spirit and citrus odor
N/A
N/A
-56° F
344° F
>200° F
< 1 (butyl acetate = 1)
0.83 (water = 1)
N/A
0.4 mm/hg
4.5-5 (air=1)
.84
Emulsifies
N/A
>428° F
N/A
Pourable liquid

SECTION 10

Stability:
Hazardous reactions:
Conditions to avoid:
Incompatible materials:
Decomposition products:

STABILITY AND REACTIVITY

Product is stable under recommended storage conditions.
Hazardous polymerization will not occur.
Keep away from heat, open flames, sparks, and other ignition sources.
Strong oxidizers and chlorine.
Carbon monoxide, carbon dioxide, and other undefined fragments will evolve in a fire.

SECTION 11

Acute toxicity:
General:

TOXICOLOGICAL INFORMATION

Oral & Dermal LD50: >5000mg/Kg (rabbit). Inhalation LC50: >1000mg/kg (mice).
Ames test: Negative; exhibits very low toxicity.

SECTION 12

General:

ECOLOGICAL INFORMATION

Biodegradability inherent, CEC L33T82 > 80% @ 45 days, Chronic NOEL 0.48mg/l (daphnia).

SECTION 13

Waste disposal:

DISPOSAL CONSIDERATIONS

Normally with waste oil stream. Observe all federal, state, and local environmental regulations.

SECTION 14

UN number:
DOT shipping name:
IMDG:
IATA:

TRANSPORTATION INFORMATION

N/A
Not Regulated - Non-Haz Cleaning Compound, Liquid N.O.S.
Not Regulated.
Not Determined (Packaging known as not suitable for air transportation).

SECTION 15

OSHA:
RCRA:
CARB:
TSCA:
SARA 302/304:
SARA 311/312:
SARA 313:
California Prop 65:

REGULATORY INFORMATION

This product is Non-hazardous in containers of 119 gallons or less. (29 CFR 1900 1200)
If discarded in its unused form, this product would not be a hazardous waste. (40 CFR 261.20-24)
Consumer Product - General Purpose Degreaser. (Title 17 California Code classification No. 94509)
All ingredients are listed or exempted.
None found.
None found.
None known.
None known.



SECTION 16

HMIS Rating:
General:

OTHER INFORMATION

HEALTH-1, FIRE-1, REACTIVITY-0 (4=extreme, 3=high, 2=moderate, 1=slight, 0=insignificant)
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