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Anne's Astonishing Antidote

Immersion Cleaning and Carrier Fluid

Safety Data Sheet

1. Identification

Product Name:	Anne's Astonishing Antidote
Product Number:	2090-5 , 2090-55
Product Description	Immersion Cleaning and Carrier Fluid
Manufacturer/Supplier:	4325 First Ave #9, Tucker, GA 30084 Info@lsschem.com
Emergency telephone number:	800-535-5053 **INFOTRAC**

2. Hazard Identification

Classification of the substance or mixture:

GHS07

STOT SE 3 H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Eye Irrit. 2B H320	Causes eye irritation.
GHS Label Elements	The product is classified and labeled according to the Globally Harmonized System (GHS).
Signal Word	Warning

Hazard Statements:

H320	Causes eye irritation.
H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements:

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

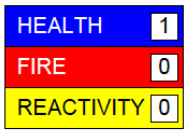
Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.

Classification System: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)

HMIS-ratings (scale 0 - 4)



Hazard(s) not otherwise classified (HNOC): None known

3. Composition/Information on Ingredients

Dangerous Components:

CAS: 156-60-5 **RTECS: KV 9400000**	trans-dichloroethylene Flam. Liq. 2, H225; Acute Tox. 4, H332; Aquatic Chronic 3, H412	Proprietary%

Additional Information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of 1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4. First-Aid Measures

General Information:	Take affected persons out into the fresh air.
After Inhalation:	Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
After Skin Contact:	Immediately wash with water and soap and rinse thoroughly.
After Eye Contact:	Rinse opened eye for several minutes under running water.
After Swallowing:	Do not induce vomiting without medical advice. If swallowed and symptoms occur, consult a doctor.
Information For Doctor:	
Most Important Symptoms and Effects, Both Acute and Delayed:	Dizziness.
Indication of Any Immediate Medical Attention and Special Treatment Needed:	Do not administer preparations of the adrenalin-ephedrine-group.

5. Fire-Fighting Measures

Suitable Extinguishing Agents:	CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special Hazards Arising from the Substance or Mixture:	Fire or intense heat can cause violent rupture of packages. The product is non-flammable. Vapors may form flammable mixture with air. Hazardous decomposition products: hydrogen fluoride, fluorinated hydrocarbons, carbonyl fluoride, carbon oxides, and hydrogen chloride.
Advice for Firefighters:	This product has no flash point but the product may release flammable vapor.
Protective Equipment:	Mouth respiratory protective device. As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Remove persons from danger area. Ventilate area, especially in low or enclosed places where heavy vapors might collect. In case of insuffiencent ventilation, wear suitable respiratory equipment.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Methods and Material for Containment and Cleaning Up:	Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
Reference to Other Sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and Storage

Precautions for Safe Handling:	Avoid contact with skin, eyes and clothing. Ensure good ventilation/ exhaustion at the workplace. Contents may be under pressure, open carefully and slowly. Handle in accordance of good safe hygiene for industrial practices. Material should not be dispensed by pouring from pail/drum shipping containers. Use of a pump is advised.
Conditions for safe storage, including any incompatibilities:	
Storage	
Requirements to be Met by Storerooms and Receptacles:	Store in a well-ventilated area. Keep container tightly closed. Store away from heat. Store at temperatures not exceeding 100F.
Information About Storage in One Common Storage Facility:	Not required.
Further information about storage conditions:	No further information available.
Specific end use(s):	No further relevant information available.

8. Exposure Controls/Personal Protection

Additional Information About Design of Technical Systems:		No further data; see section 7.
Control Parameters:		
Components with Occupational Exposure Limits:		
156-60-5 Trans-Dichloroethylene		
	PEL	Long-term value: 790 mg/m³, 200 ppm
	REL	Long-term value: 790 mg/m³, 200 ppm
	TLV	Long-term value: 793 mg/m³, 200 ppm
Proprietary Fluorinated Mixture		
TWA		50 ppm (manufacturer determined)
Exposure Controls:		
Personal Protective Equipment:		
General Protective and Hygienic Measures:		The usual precautionary measures for handling chemicals should be followed.
Breathing Equipment:		Engineering controls: Not required if appropriate ventilation is provided. If ventilation is not adequate, use appropriate respirtory protection equipment. For rescue and maintenence work in stoage tanks use self-contained breathing apparatus. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing.
Protection of Hands:		 Protective gloves
Material of Gloves:		Solvent Resistant
Penetration Time of Glove Material:		Not applicable.
Eye Protection:		 Safety glasses with side shields.
Body Protection:		 Use protective suit.

9. Physical and Chemical Properties

Properties:	
Apperance:	Colorless, clear liquid
Boiling Point:	39˚C
Density:	1.28 g/ml
Kari Butanol (KB) value:	98
Surface Tension:	20 dynes/cm
Viscosity:	0.45 cPs
Wetting Index	142 (1000 x Density / Surface Tension x Viscosity)
Vapor Pressure:	47 (at 25 deg C kPa)
Heat of Vaporization @bp	61.2 cal/gm
Environmental, Health, Safety:	
Atmospheric lifetime:	1.1 years
8-hr TWA Exposure limi:	150 PPM
Global Warming Potential (GWP):	30
Ozone Depleting Potential (ODP):	No
Polyfluoroalkyl substance (PFAS) OECD Database:	No
Volatile Organic Compond (VOC):	1143g/l
Flash Point:	None
Lower Explosion Limit (LEL):	9.3%
Upper Explosion Limit (UEL):	13.4%

10. Stability and Reactivity

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable under normal conditions.
Thermal Decomposition / Conditions to be Avoided:	No decomposition if used according to specifications.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Heat, flame and ignition sources.
Incompatible Materials:	Avoid contact with Alkali metals and Alkaline earth metals, powdered metal salts, strong bases
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions: fluorinated hydrocarbons, hydrogen fluoride, carbon dioxide (CO2), carbon monoxide, hydrogen chloride gas, carbonyl fluoride.

11. Toxicological Information

Acute Toxicity:

LD/LC50 Values that are Relevant for Classification:

156-60-5 Trans-Dichloroethylene

Oral	LD50	7902 mg/kg (Rat)
Dermal	LD50	>5000 mg/kg (Rabbit)
Inhalative	LC50/4 h	95.4 mg/l (Rat)

Primary Irritant Effect:	
On the Skin:	No irritating effect.
On the Eye:	Irritating effect.
Additional Toxicological Information:	Irritant
Carcinogenic Categories:	
IARC (International Agency for Research on Cancer):	None of the ingredients are listed.
NTP (National Toxicology Program):	None of the ingredients are listed.
OSHA-Ca (Occupational Safety & Health Administration):	None of the ingredients are listed.

12. Ecological Information

Toxicity:	The hazards for the aquatic environment are unknown.
Aquatic Toxicity:	No further relevant information available.
Persistence and Degradability:	No further relevant information available.
Behavior in Environmental Systems:	
Bioaccumulative Potential:	No further relevant information available.
Mobility in Soil:	No further relevant information available.
Additional Ecological Information:	
General Notes:	Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment:	
PBT:	Not applicable.
vPvB:	Not applicable.
Other Adverse Effects:	No further relevant information available.

13. Disposal Considerations

Waste Treatment Methods:	Can be recycled by distillation. If recycling is not practical, dispose of in complicance of local regulations.
Recommendation:	Contact manufacturer for recycling information.
Uncleaned Packagings	
Recommendation:	Disposal must be made according to official regulations.

14. Transport Information

UN-Number:	
DOT, ADR/ADN, ADN, IMDG, IATA	Non-Regulated Material
UN Proper Shipping Name:	
DOT, ADR/ADN, ADN, IMDG, IATA	Non-Regulated Material
Transport Hazard Class(es):	
DOT, ADR/ADN, ADN, IMDG, IATA Class:	Non-Regulated Material
Packing Group:	
DOT, ADR/ADN, IMDG, IATA	Non-Regulated Material
Environmental Hazards:	Not applicable.
Special Precautions for User:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
UN "Model Regulation":	Non-Regulated Material

15. Regulatory Information

SARA (Superfund Amendments and Reauthorization):	
Section 355 (Extremely Hazardous Substances):	None of the ingredients are listed.
Section 313 (Specific Toxic Chemical Listings):	None of the ingredients are listed.
TSCA (Toxic Substances Control Act):	All ingredients are listed or exempt from listing.
California Proposition 65:	
Chemicals Known to Cause Cancer:	None of the ingredients are listed.
Chemicals Known to Cause Reproductive Toxicity for Females:	None of the ingredients are listed.
Chemicals Known to Cause Reproductive Toxicity for Males:	None of the ingredients are listed.
Chemicals Known to Cause Developmental Toxicity:	None of the ingredients are listed.
Carcinogenic Categories:	
EPA (Environmental Protection Agency):	

156-60-5	Trans-Dichloroethylene	II

TLV (Threshold Limit Value established by ACGIH):	None of the ingredients are listed.
NIOSH-Ca (National Institute for Occupational Safety and Health):	None of the ingredients are listed.
GHS Label Elements	The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms:	

GHS07

Signal Word:	Warning
Hazard Statements:	
H320	Causes eye irritation.
H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Statements:	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
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P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.
National Regulations:	The product is subject to be classified according with the latest version of the regulations on hazardous substances.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of Preparation / Last Revision: 01/16/2023 | 2

Abbreviations and Acronyms:

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN:	The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
VOC:	Volatile Organic Compounds (USA, EU)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety & Health Administration
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Limit
REL:	Recommended Exposure Limit
Flam. Liq. 2:	Flammable liquids – Category 2
Acute Tox. 4:	Acute toxicity – Category 4
Eye Irrit. 2B:	Serious eye damage/eye irritation – Category 2B
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3:	Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data Compared to the Previous Version Altered.**