



american gas & chemical co. ltd.
 220 PEGASUS AVE
 NORTHVALE, NEW JERSEY 07647
 201-767-7300_FAX 201-767-1741

Safety Data Sheet

Issue Date: 02-Feb-2004

Revision Date: 21-Apr-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Visible Penetrant Type II BC

Other means of identification

SDS # AGC-018

Product Code AG-1-VS

Other Information Package type: 5 gallon pails and 55 gallon drums.

Recommended use of the chemical and restrictions on use

Recommended Use Visible Penetrant for Leak Detection.

Details of the supplier of the safety data sheet

Manufacturer Address

AMERICAN GAS & CHEMICAL COMPANY, LTD
 220 Pegasus Avenue
 Northvale NJ 07647

Emergency Telephone Number

Company Phone Number Phone: 201-767-7300 Fax: 201-767-1741
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Dark red liquid

Physical State Liquid

Odor Mild

Classification

Acute toxicity - Inhalation (Vapors)

Category 4

Signal Word

Danger



Hazard Statements

Harmful if inhaled

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--|------------|----------|
| Di-isodecyl phthalate (DIDP) | 68515-49-1 | 84 |
| Petroleum distillates, hydrotreated middle | 64742-46-7 | 10 |

4. FIRST-AID MEASURES

First Aid Measures

| | |
|-----------------------|--|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Eye Contact | If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call physician. |
| Skin Contact | In case of contact, wash skin thoroughly with soap and water. Remove any contaminated clothing and wash before reuse. |
| Inhalation | If overcome by vapor, remove from exposure and call physician immediately. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. |
| Ingestion | If ingested, do not induce vomiting. Call a physician immediately. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Due to its low volatility, exposure to this material under ambient conditions is not expected to produce adverse human health effects following normal workplace exposure. Can cause slight skin irritation. May cause eye irritation. Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of small quantities is usually non-fatal unless aspiration occurs. Aspiration may lead to chemical pneumonitis. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Regular foam, water fog, CO₂, dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is combustible & may ignite if exposed to high temperature or direct flame.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool exposed containers with water spray. Avoid breathing vapor or fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|----------------------------------|---|
| Personal Precautions | Remove all ignition sources. Recover free liquid. Ventilate confined spaces. |
| For Emergency Responders | Follow applicable OSHA regulations (29 CFR 1910.120). |
| Environmental Precautions | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 12 for additional Ecological Information. |

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for Containment | Absorb with appropriate inert material such as sand, clay, etc. |
| Methods for Clean-Up | Sweep up absorbed material and shovel into suitable containers for disposal. Large spills may be picked up by using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Store locked up.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines The following information is given as general guidance

Appropriate engineering controls

Engineering Controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Impervious rubber gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|---|------------------|-------------------------|---------------------|
| Physical State | Liquid | | |
| Appearance | Dark red liquid | Odor | Mild |
| Color | Dark red | Odor Threshold | Not determined |
| Property | Values | Remarks • Method | |
| pH | None | | |
| Melting Point/Freezing Point | Not determined | | |
| Boiling Point/Boiling Range | 226.66°C / 440°F | | |
| Flash Point | 95°C / 203°F | | (ASTM D-93 / PMCC) |
| Evaporation Rate | < 1 | | (butyl acetate = 1) |
| Flammability (Solid, Gas) | Not determined | | |
| Upper Flammability Limits | Not determined | | |
| Lower Flammability Limit | Not determined | | |
| Vapor Pressure | 0.1 mm Hg | | @68°F (20°C) |
| Vapor Density | >1 | | (Air=1) |
| Specific Gravity | 0.98 | | |
| Water Solubility | Insoluble in | | |
| water Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |
| Decomposition Temperature | Not determined | | |
| Kinematic Viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | Not determined | | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact May cause temporary irritation on eye contact.

Skin Contact May cause temporary irritation on skin contact.

Inhalation May cause irritation if inhaled.

Ingestion May cause discomfort if swallowed.

Component Information

| Chemical Name | Oral | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|--------------------------|------------------------|
| Di-isodecyl phthalate (DIDP) 68515-49-1 | > 60000 mg/kg (Rat) | = 16000 mg/kg (Rabbit) | - |
| Petroleum distillates, hydrotreated middle 64742-46-7 | = 7400 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | = 4.6 mg/L (Rat) 4 h |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product contains petroleum distillates which are considered to be highly refined and not considered to be carcinogenic under IARC.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|---|---|----------------------------|------------------------------------|
| Di-isodecyl phthalate (DIDP) 68515-49-1 | 1.3: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 0.66: 96 h Pimephales promelas mg/L LC50 static 1: 96 h Pimephales promelas mg/L LC50 flow-through 1: 96 h Oncorhynchus mykiss mg/L LC50 static 0.62: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.55: 96 h Lepomis macrochirus mg/L LC50 static | | 0.18: 48 h Daphnia magna mg/L EC50 |
| Petroleum distillates, hydrotreated middle 64742-46-7 | | 35: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Pimephales promelas mg/L LC50 static | | |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Marine Pollutant

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

SARA 313

Not determined

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| Di-isodecyl phthalate (DIDP) 68515-49-1 (84) | | X | | |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical Name | California Proposition 65 |
|---|---------------------------|
| Di-isodecyl phthalate (DIDP) - 68515-49-1 | Developmental |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Di-isodecyl phthalate (DIDP) 68515-49-1 | | | X |

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|------------------------------|
| NEPA | Health Hazards | Flammability | Instability | Special Hazards |
| | 0 | 0 | 1 | Not determined |
| HMIS | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 1 | 1 | 1 | B- Safety Glasses, Gloves |

Issue Date: 02-Feb-2004
 Revision Date: 21-Apr-2022
 Revision Note: 3-Year Update

Disclaimer

Information in the SDS is provided in good faith, but we assume no liability for its use or misuse. It is furnished without any warranty of merchantability or any other warranty, express or implied. We shall not be liable for any claims, losses or damages of any vendee or third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however they arise. Users must make their own investigations to determine suitability.

End of Safety Data Sheet