



cgm enterprises, inc.

Safety Data Sheet

Date Prepared: 10/30/2009

Date-Revised: 05/27/15

Revision No. 2.0

JET SET™ Accelerator

1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: *JET SET™ Accelerator*

PRODUCT DESCRIPTION: Adhesive Accelerator

PRODUCT CODE: 777 & 778

24 HR. EMERGENCY TELEPHONE NUMBERS
INFOTRAC (800) 535-5053

DISTRIBUTOR

CGM ENTERPRISES, INC
200 Parkway Drive, Unite 1013
Lincolnshire, IL 60069
Tel: 1-866-538-5483

2. HAZARDS IDENTIFICATION

GHS-US classification

Flammable Liquids - Category 2	H225
Skin Irritation - Category 2	H315
Specific Target Organ Toxicity (Single Exposure) Category 3	H336
Specific Target Organ Toxicity (Repeated Exposure) Category 2	H373
Aspiration Hazard Category 1	H304

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US):

Danger

Hazard statements (GHS-US):

H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US)

and responses:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting/equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

JET SET™ Accelerator

P264 - Wash thoroughly after handling
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
P302+P352 - If on skin: Wash with plenty of water and soap
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P312 - Call a poison center/doctor if you feel unwell
P314 - Get medical advice/attention if you feel unwell
P321 - Specific treatment (see first aid measures on this label)
P331 - Do NOT induce vomiting
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P370+P378 - In case of fire: Use dry chemical, CO₂, water spray or foam to extinguish
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to with all local, regional, national and international regulations.

2.3. Other hazards : No additional information available

2.4. Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances: Not applicable

3.2. Mixture

Name	Product identifier	%
C7-C8 Alkyls	(CAS No) 64742-49-0	> 90
Alkyl Toluidine	Proprietary	< 10

4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general: Call a physician immediately. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

First-aid measures after skin contact: Rinse skin with water/shower. Remove/take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

First-aid measures after ingestion: Do not induce vomiting. Call a physician immediately. Wash out mouth with water. Never give anything by mouth to an unconscious person. Remove victim

JET SET™ Accelerator

to fresh air and keep at rest in a position comfortable for breathing. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

4.2. Most important symptoms and effects, both acute and delayed:

Symptoms/injuries: May cause drowsiness or dizziness. Can cause central nervous system (CNS) depression.
Symptoms/injuries after skin contact: Irritation to skin. Prolonged or repeated contact with skin may cause dryness or cracking.
Symptoms/injuries after ingestion: Risk of lung oedema. Symptoms include nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left in lateral decubitus position.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media:

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

Unsuitable extinguishing media: Do not use a heavy water stream

5.2. Special hazards arising from the substance or mixture

Fire hazard: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Explosion hazard: In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.

Reactivity: Highly flammable liquid and vapor. React with oxidizing materials.

5.3. Advice for firefighters:

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. Avoid breathing vapor or mist.

6.1.2. For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and

JET SET™ Accelerator

unsuitable materials. See also the information in "For non-emergency personnel". For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

For containment: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections : For further information refer to sections 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Take precautionary measures against electrostatic discharges. Empty containers of retained product residue and can be hazardous. Do not reuse container. Always bond receiving containers to the fill pipe before and during loading. Always confirm that receiving container is properly grounded. Carefully review operations that may increase the risks such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. Always keep nozzle in contact with the container throughout the loading process.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Eliminate all ignition sources.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment.

Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Incompatible materials: Oxidizing materials.

7.3. Specific end use(s)

No additional information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters**

Heptane		
ACGIH	ACGIH TWA (ppm)	400 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	2000 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



Hand protection:

Chemical –resistent gloves protective gloves. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.

Eye protection:

In cae of risk of splash use protective goggles.

Skin and body protection:

Wear suitable protective clothing and boots.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls:

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Appearance:	Transparent/ Clear
Colour:	Colourless
Odor:	Charcteristic hydrocarbon solvent odor. Sharp, pungent
Odor threshold:	No data available
pH:	Not applicable
Relative evaporation rate (butyl acetate=1):	4.5
Melting point:	No data available
Freezing point:	No data available
Boiling point:	> 199 °F (93 °C)
Flash point:	ca. 16 °F (-9 °C) – estimated
Auto-ignition temperature:	ca. 474°F (245 °C)
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	6 kPa (at room temperature)
Relative vapor density at 20 °C:	3 (Air=1)
Relative density:	0.7 (water=1)

JET SET™ Accelerator

Solubility:	Insoluble in water
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	Lower: 1%
Higher:	6.7%

9.2. Other information: No additional information available

10. STABILITY AND REACTIVITY

10.1. Reactivity:

Highly flammable liquid and vapor. Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide.

10.2. Chemical stability :

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions :

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid :

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

10.5. Incompatible materials

Oxidizing materials.

10.6. Hazardous decomposition products

Thermal decomposition results in carbon oxides: CO, CO₂.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Not classified (Based on available data, the classification criteria are not met.)

Heptane	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat (ppm)	73680 ppm/4h

Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified

JET SET™ Accelerator

Specific target organ toxicity (single exposure):	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure):	May cause damage to organs through prolonged or repeated exposure (Can cause central nervous system (CNS) depression.)
Aspiration hazard:	May be fatal if swallowed and enters airways.
Symptoms/injuries:	May cause drowsiness or dizziness. Can cause central nervous system (CNS) depression.
Symptoms/injuries after skin contact:	Irritation to skin. Prolonged or repeated contact with skin may cause dryness or cracking.
Symptoms/injuries after ingestion:	Risk of lung oedema. Symptoms include nausea or vomiting.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Ecology - general: The product is very toxic to aquatic life with long lasting effect.

Heptane	
LC50 fish 1	375.0 mg/l (Exposure time: 96 h - Species: Cichlid fish)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Heptane	
Log Pow	4.66

12.4. Mobility in soil: No additional information available

12.5. Other adverse effects

Effect on ozone layer: No additional information available

Effect on the global warming: No additional information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

No additional information available

14. TRANSPORT INFORMATION

In accordance with DOT

Transport document description:	UN1206 Heptanes, 3, II
UN-No.(DOT):	UN1206
Proper Shipping Name (DOT):	Heptanes
Transport hazard class(es) (DOT):	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT):	3 - Flammable liquid



Packing group (DOT):

II - Medium Danger

JET SET™ Accelerator

DOT Special Provisions (49 CFR 172.102): IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal 178.275(d)(3). TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx): 150

DOT Packaging Non Bulk (49 CFR 173.xxx): 202

DOT Packaging Bulk (49 CFR 173.xxx): 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 60 L

DOT Vessel Stowage Location: B - (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Marine pollutant: yes



Additional information

Other information: No supplementary information available.

ADR

No additional information available

Transport by sea

UN-No. (IMDG): UN1206 Heptanes, 3, II
Proper Shipping Name (IMDG): HEPTANES
Class (IMDG): 3 - Flammable liquids
Packing group (IMDG): II - substances presenting medium danger

Air transport

UN-No.(IATA): UN1206 Heptanes, 3, II
Proper Shipping Name (IATA): Heptanes
Class (IATA): 3 - Flammable Liquids
Packing group (IATA): II - Medium Danger

15. REGULATORY INFORMATION

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

JET SET™ Accelerator

Heptane	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

15.2. International regulations

CANADA

Heptane	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

Heptane	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC

No additional information available

15.2.2. National regulations

Heptane	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on the Canadian IDL (Ingredient Disclosure List)	

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

16. OTHER INFORMATION

Full text of H-phrases:

sp. Tox. 1:	Aspiration hazard, Category 1
Flam. Liq. 2:	Flammable liquids Category 2
Skin Irrit. 2:	Skin corrosion/irritation Category 2
STOT RE 2:	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3:	Specific target organ toxicity (single exposure) Category 3
H225:	Highly flammable liquid and vapor
H304:	May be fatal if swallowed and enters airways
H315:	Causes skin irritation
H336:	May cause drowsiness or dizziness
H373:	May cause damage to organs through prolonged or repeated exposure

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product