



Material Safety Data Sheet

Revision Date 12-Oct-2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code P30125
Product name SPECIAL RELEASE AGENT 11 OZ NW
Recommended Use Lubricant
Supplier Kent Automotive
6200 Oak Tree Blvd.
Independence, OH 44131
(800) 458-3222

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview Flammable. Irritant.

Color Colorless

Odor No information available

Form Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Inhalation. Eyes. Skin contact.

Potential health effects

Eyes Irritation. Redness. Itching. Burning sensation.

Skin Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.

Inhalation Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Upper respiratory tract irritation. Central nervous system effects. Loss of coordination. Extreme overexposure may cause. Possible unconsciousness. Death.

Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	7-13
Hexane	110-54-3	10-30
Isohexane Isomers	107-83-5	10-30
Solvent naphtha (petroleum), light aliphatic	64742-89-8	30-60
Cyclohexane	110-82-7	.5 - 1.5

4. FIRST AID MEASURES

Eye contact	Flush with plenty of water for at least 15 minutes. Seek medical attention.
Skin contact	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
Ingestion	Do not induce vomiting. Immediate medical attention is required.
Inhalation	Remove from exposure. Restore breathing. Keep warm and quiet.

5. FIRE FIGHTING MEASURES

Flash point °C	< -17
Flash point °F	< 0
Method	No information available
Autoignition temperature °C	No data available
Autoignition temperature °F	
Flammability Limits (% in Air)	
Upper	9.5
Lower	0.9

Specific Information for Aerosol Products

Flame extension	Unknown
Flashback	Unknown

Suitable extinguishing media

Carbon dioxide (CO2). Dry chemical. Foam.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special Fire-Fighting Procedures

Avoid breathing of vapors. Avoid skin and eye contact. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Specific hazards

Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes.

Fire and Explosion Hazards

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water spray may be ineffective. If water is used, fog nozzles are preferable. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Methods for cleaning up

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling

Keep in a well-ventilated place. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. Keep away from open flame. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

Storage

Store in temperatures below 120 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Solvent naphtha (petroleum), light aliphatic	-	-	-	-
Hexane	1800 mg/m ³ 500 ppm	-	50 ppm 500 ppm other than n-hexane	N/D
Isohexane Isomers	-	-	500 ppm other than n-hexane	1000 ppm other than n-hexane
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Cyclohexane	1050 mg/m ³ 300 ppm	-	100 ppm	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. Local: recommended. General: as necessary.

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Other precautions

Avoid contact with the skin and the eyes

Personal protective equipment

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand Protection

Gloves are not required in normal use. The following gloves are recommended for prolonged or repeated contact: .
Chemical resistant gloves.

Eye protection

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Aerosol	Color	Colorless
Odor	No information available	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	0.69
Vapor pressure	225.2 mm Hg	Vapor density	>Air
Evaporation Rate	>1 (ether = 1)	VOC Content	682 g/l; 5.69 lb/gal
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
		Boiling point/range °C	< -18 - 162
Boiling point/range °F	< 0 - 325	Melting point/range °C	No data available
Melting point/range °F	No data available	Flash point °C	< -17
Flash point °F	< 0		

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatibility

None.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Solvent naphtha (petroleum), light aliphatic 64742-89-8	5000 mg/kg	3000 mg/kg	-
Hexane 110-54-3	28710 mg/kg	3000 mg/kg	48000 ppm
Isohexane Isomers 107-83-5	-	-	-
Propane 74-98-6	-	658 mg/kg	-
Cyclohexane 110-82-7	5000 mg/kg	2000 mg/kg	13.9 mg/L

Synergistic Products

None known

Potential health effects

Sensitization
None known

Chronic toxicity
Repeated and prolonged exposure to solvents may cause brain and nervous system damage. See Section 2

Mutagenic effects
None known

Teratogenic effects
None known

Reproductive toxicity
None known

Target Organ Effects
None Known

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isohexane Isomers	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Cyclohexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Specific Hazards

Hexane has been reported to affect the central nervous system and may damage peripheral nerve tissue. Methyl Ethyl Ketone may increase the nervous system effects of other solvents.. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

12. ECOLOGICAL INFORMATION

Hexane

Water Flea Data

water flea LC50=3.87 mg/L (48 h)

Cyclohexane

Microtox Data

Photobacterium phosphoreum EC50=85.5 mg/L (5 min)

Photobacterium phosphoreum EC50=93 mg/L (10 min)

Water Flea Data

water flea EC50=400.0 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Disposal Information

Waste must be tested for ignitability to determine EPA hazardous waste numbers. As supplied, this product is a RCRA Hazardous Waste . Do not puncture or incinerate. Depressurize before disposal.

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable (Propane/Hexanes), Class 2.1
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, FLAMMABLE (Propane/Hexanes), Class 2.1 Consumer commodity <1L

IMDG/IMO

UN1950 AEROSOLS (Propane/Hexanes), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/ Hexanes), Class 2.1

MEX

UN1950 AEROSOLE(S)(Propano/Hexanos),2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Hexane	Listed
Cyclohexane	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed
Hexane	Listed	Listed	Not Listed
Isohexane Isomers	Not Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Cyclohexane	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Solvent naphtha (petroleum), light aliphatic	X	X	-	X
Hexane	X	X	-	X
Isohexane Isomers	X	X	-	X
Propane	X	X	-	X
Cyclohexane	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	4
Reactivity	-	Physical Hazard	0

Prepared By

Michael Katz, Regulatory Affairs Specialist

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.