



MATERIAL SAFETY DATA SHEET MSDS

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

PRODUCT NAME : 404 BRAKE CLEANER
COMPANY NAME : 404 Kimya San. ve Tic. A.Ş.
Headquarters: Merkez Mahallesi Akçe Sokak Güzle İş Merkezi
No:3 Kat:1 Şile Yolu Shell Benzin İstasyonu Yanı
Çekmeköy/ İSTANBUL
Factory: Organize San. Böl. 102 Ada 7 Parsel
Selimiye Köyü OSMANELİ/ BİLECİK
Headquarters Tel: 0216 642 92 71 Fax: 0216 642 92 75
Factory Tel: 0228 470 00 14

2. HAZARD IDENTIFICATION

Has toxic effects. Irritates skin.
May damage lungs if swallowed. Vapors may cause drowsiness and dizziness
Keep away from sunlight Do not expose to temperatures above 48 °C.



3. INFORMATION ABOUT THE COMPOSITION/INGREDIENTS

Ingredient	Class No	Ratio %
Carbon dioxide (Propellant Gas)	124-38-9	10-20%
Chlorinated solvent	75-09-2	20-35%
N-HEXANE	110-54-3	50-65%

Risk values in this section reveal individual items; It does not reveal the value of the finished product.

4. FIRST AID

Inhalation: Fresh air should be provided in the event of inhalation. Artificial respiration should be provided in the event of difficulty in breathing. If problem persists, consult a doctor.

Ingestion: Do not try to induce vomiting. In the event of loss of consciousness, victim should be laid on the left side, head down. Never give anything by mouth to an unconscious person. Seek medical advice immediately and show the written information.

Skin Contact : In case of contact with skin, wash contaminated area immediately with plenty of soap and water. If problem persists, consult a doctor.

Eyes: In case of contact with eyes, wash with water until being sure. If problem persists, consult a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Inert gases, foam or CO₂.

Hazardous Combustion Products: Carbon oxides, hydrogen chloride, phosgene and chlorine.

Fire/Explosion Hazards: Spray containers may explode if exposed to high temperatures under pressure.

Protective Equipment: Firefighters should wear protective clothing. Use appropriate respirators approved by National Institute for Occupational Safety and Health (NIOSH) to avoid possible toxic poisoning. Particularly avoid contact with eyes and skin. Water spray should be used to cool down the spray container exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Measures for Environmental Protections : Do not allow material to enter sewers and waterways. Notify authorities if entered sewers and waterways.

Measures for Personal Protection: Recommendations for Personal Protection outlined in Section 8 should be followed and vapor should not be inhaled.

Considerations for Large Spills: Switch off all ignition systems and ventilate the environment. If a confined space, workers should be equipped with the respiratory protective equipment. Adsorbents used should be disposed into appropriate waste containers.

7. STORAGE

Storage Conditions: Store in original container and in a dry place. Keep container tightly closed. Store in a well-ventilated place and keep away from sunlight. Keep away from ignition systems. Do not expose to temperatures above 48°C.

Handling Conditions: The vapor is heavier than air and will accumulate at low pressure. Ventilation will remove vapor at low pressures.

Do not eat, drink or inhale product during use of product. Be cautious when near to energy systems.

Do not eat, drink or inhale product during use of product. Be cautious when near to energy systems.

Metal container may conduct the electricity if gets in contact with a power source and this may cause electrical shock in user.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control and Protection



Engineering Controls: Areas should have ventilation conditions. Mechanical ones should be used since airborne levels below recommended exposure limits are tried to be maintained.

Requirements by National Institute for Occupational Safety and Health (NIOSH) should be complied with.

Protection against Inhalation: Proper ventilation conditions should be provided. If engineering controls do not provide satisfactory results, protection respiratory protection conditions along with appropriate organic vapor cartridges approved by National Institute for Occupational Safety and Health (NIOSH) should be established.

Eye/Face Protection : Wear protective goggles. If there is a risk of liquid getting in contact with eyes, then colorful goggles resistant against such splashes should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Odor : Irritating

Solubility: Negligible

Color: Colourless

Freezing point (° C) : Not specified

Vapor Pressure(25 °C):Not specified

Evaporation Rate: Fast

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid : Direct sunlight and ultraviolet sources should be avoided. Keep away from fire, electrical current and other high temperature heat sources.

Released Hazardous Substances: Hydrogen chloride, phosgene and chlorine.

Possible Hazardous Reactions: None

11. POISONING INFORMATION

General Health Hazards: Studies on the acute toxicity of this product has not yet been posted. The information in this section describes only the items that the product contains.

Inhalation: Highly concentrated vapor may irritate respiratory system and may cause headache, fatigue, nausea and vomiting. Inhalation at very high level may cause loss of consciousness.

Ingestion: Small amounts of liquid entrance into respiratory system when swallowed or vomiting may damage lungs.

Skin Contact : Skin contact at small amounts may irritate skin. Skin contact at excessive amount may cause burns on skin.

Eyes: May irritate eyes.

Chronic effects: Prolonged exposure increases the adrenaline level and may cause myocardia.

Target Organs : Central nervous system, liver and kidney.







12. ECOLOGICAL INFORMATION

Environmental Hazards: Environmental properties have not been thoroughly investigated. However, it contains materials classified as harmful to environment. Do not use imprudently and do not discharge into waterways.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods : If recycling is possible, benefit it. Spray containers must be completely emptied and they may be used in recycling. Please act according to the advice of the authorities for disposal.

14. TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA-DGR
14.1. UN-No	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS (PROPANE) (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)	AEROSOLS (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)	Aerosols, flammable (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
14.3. Class(es)	2.1 	2.1 	2.1 
14.4. Packaging Group	-	-	-
14.5. Environmental Hazards	Yes 	Yes 	Yes 

14.6. Special security measures for the user

No information available

14.7. Mass transportation of goods pursuant to MARPOL Treaty 73/78 Annex II and IBC Code

not applicable

Road Transport ADR/RID

Hazard sign 2.1 Tunnel

Restriction Code D

Classification code 5F

Should be transported in "Limited Quantities" pursuant to Section 3.4 of ADR.

Maritime transport (IMDG)

MARINE POLLUTANT

15 . REGULATORY INFORMATION

Labelling: Harmful to health, may cause chronic health problems, high pressure

Risk Phrases : it has high pressure

It has toxic effects

Irritating to skin.

Harmful May damage lungs if swallowed.

Vapors may cause dizziness and loss of consciousness.

Safety Phrases: S-2 Keep out of the reach of children. Keep away from sources of ignition. No smoking.

S- 24 Avoid contact with skin.

S-51 Use only in well-ventilated areas.

S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label where possible

16. OTHER INFORMATION

User Notes: The above-mentioned information should not mean ensuring only the health and safety requirements or specifications. User should take into account suitability of these information with their use, the other health and safety regulations and rules. Information and recommendations contained in this publication are results of our reliable knowledge.